

# UNCLASSIFIED

AD NUMBER
AD834501
NEW LIMITATION CHANGE
TO Approved for public release, distribution unlimited
FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Aug 1960. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505.
AUTHORITY
CIA ltr, 7 Sep 2004

THIS PAGE IS UNCLASSIFIED

40792 *RC*

40163

AD834501

AD NO. \_\_\_\_\_  
DDC FILE COPY



⑥

# CONSOLIDATED TRANSLATION SURVEY

Number 32 .

⑪

~~FOR~~ AUG ~~1960~~ 60

⑫ 317p.

Prepared by

Foreign Documents Division  
CENTRAL INTELLIGENCE AGENCY  
2430 E St., N. W., Washington 25, D. C.

*J*  
DDC  
RECEIVED  
JUN 27 1968  
REGISTERED  
B

*[Signature]*

141500

*ek*

# CONSOLIDATED TRANSLATION SURVEY

FOR AUGUST 1960

## TABLE OF CONTENTS

	<u>Page</u>
Notes concerning the Survey	c
Abbreviations used in the Survey	d
Requests for copies	e
USSR	
Economic	1
Political	17
Military	18
Geographic	24
Sociological	25
Biographic	29
Eastern Europe	
Economic	30
Political	52
Military	53
Geographic	56
Sociological	56
Northern Europe	
Military	58
Near East/Africa	
Economic	59
Political	59
Military	60
Geographic	62
Sociological	62
Far East	
Economic	63
Political	79
Military	91
Geographic	92
Sociological	94

	<u>Page</u>
<b>Western Europe</b>	
Economic	97
Political	98
Military	99
Geographic	100
Sociological	101
<b>Latin America</b>	
Economic	102
Political	102
Military	103
Sociological	103
<b>World Wide</b>	
Political	105
<b>Scientific</b>	
Aeronautics	105
Astronomy	107
Biology	109
Chemistry	119
Electricity	145
Electronics	146
Engineering	157
Fuels	178
Geophysics	179
Mathematics	193
Medicine	195
Minerals/Metals	228
Nuclear Physics	237
Physics	242
Space Research	264
Miscellaneous	267
<b>Author Index</b>	279
<b>Cover-to-Cover Translations</b>	304



## CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

~~This~~ This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (\*), and, when available, a project-control or "in-process" number is noted in parentheses following the title.

# ABBREVIATIONS

ACSI	Assistant Chief of Staff, Intelligence, Dept of Army
AEC	Atomic Energy Commission
AF	Air Force
AIBS	American Institute of Biological Sciences
AIP	American Institute of Physics
AMS	Army Map Service
APL	Applied Physics Laboratory
ARDC	Air Research and Development Command
ARS	American Rocket Society
ATIC	Aerospace Technical Intelligence Center
ATS	Associated Technical Services
BISI	British Iron and Steel Institute
BuShips	Bureau of Ships, Dept of Navy
CB	Consultants Bureau
CCT	Consultants Custom Translations
Co-op Tr Sch	Co-operative Translation Scheme
CSIRO	Commonwealth Scientific and Industrial Research Organization
CTRA	Coal Tar Research Association
525th MI Gp	525th Military Intelligence Group, Dept of Army
FBIS	Foreign Broadcast Information Service
HB	Henry Brucher
ID	Intelligence Document
IGC	Information on Soviet Bloc International Geophysical Cooperation - 1959
JPLAI	Jet Propulsion Laboratory, Astronautics Information
JPRS	Joint Publications Research Service
LC	Library of Congress
LLU	Lending Library Unit
MDF	Morris D. Friedman
MEB	Mark E. Burgunker
MIT	Massachusetts Institute of Technology
NASA	National Aeronautics and Space Administration
NIH	National Institutes of Health
NRL	Naval Research Laboratory
NSF	National Science Foundation
OIN	Ordnance Intelligence Number
ONI	Office of Naval Intelligence
OTIA	Ordnance Technical Intelligence Agency
OTS	Office of Technical Services
PERA	Production Engineering Research Association of Great Britain
FP	Pergamon Press
PS	Primary Sources
RABRM	Research Association of British Rubber Manufacturers
RIS	Research Information Service
RSTP	Russian Scientific Translation Program
Sci Mus Lib	Science Museum Library
SIAM	Society for Industrial and Applied Mathematics
USACRAPAC	US Army Command Reconnaissance Activities Pacific Command
USASIA	US Army Signal Intelligence Agency
USDA	US Department of Agriculture
USIS	US Information Service
* (asterisk)	projects in process

### REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organization.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington, DC.

Addresses of producers, whose listings are included in this issue follow:

ACSI  
519th MI Bn  
ID  
USASIA  
USACRAPAC, PD

Department of Army  
Assistant Chief of Staff, Intelligence  
Intelligence Documents Branch  
Washington 25, DC

Requests from non-government sources for  
Army documents should be ordered through:

Chief, Office of Technical Services  
Technical Information Divisions  
Acquisitions Branch  
Department of Commerce, Commerce Annex 1  
Washington 25, DC

#### Navy

HO  
NRL  
ONI  
USRL

Department of Navy  
Office of Naval Intelligence  
Washington 25, DC

AF  
AID  
ATIC

Department of Air Force  
Collection and Dissemination  
Assistant Chief of Staff, Intelligence  
ATTN: AFCIN 1B3  
Washington 25, DC

AEC

Atomic Energy Commission  
Order copies from:

Department of Commerce  
Office of Technical Services  
Washington 25, DC

Amer Meteorol Soc, AF Cambridge Res Center

Armed Services Technical Information Agency (ASTIA)  
Arlington Hall Station  
Arlington 12, Virginia

Dept of Commerce

Office of Technical Services  
Washington 25, DC

Patent Office  
Scientific Library  
14th and Constitution Avenue, NW  
Washington, DC

Dept of Interior

Department of Interior  
Library  
Washington 25, DC

Dept of State

Department of State  
Division of Library and Reference Service  
132 State Annex 1  
Washington, DC

JPRS

Joint Publications Research Service  
For non-scientific reports:

Photoduplication Service  
Library of Congress  
Washington 25, DC

For scientific-technical reports:

Department of Commerce  
Office of Technical Services  
Washington 25, DC

NASA

National Aeronautics and Space Administration  
1512 H Street, NW  
Washington 25, DC

NIH

Department of Health, Education, and Welfare  
National Institutes of Health  
Librarian  
Bethesda 14, Maryland

USDA

Department of Agriculture  
Foreign Agricultural Service  
Room 5506  
14th and Independence Avenue, NW  
Washington 25, DC

AGI

American Geological Institute  
2101 Constitution Avenue, NW  
Washington 25, DC

AGU

American Geophysical Union  
1515 Massachusetts Avenue, NW  
Washington 15, DC

AIP

American Institute of Physics  
335 East 45th Street  
New York 17, New York

ARS

American Rocket Society  
500 Fifth Avenue  
New York 36, New York

ATS

Associated Technical Services  
PO Box 271  
East Orange, New Jersey

Columbia Tech

Columbia Technical Translations  
5 Vermont Avenue  
White Plains, New York

CB

Consultants Bureau, Inc  
227 West 17th Street  
New York 11, New York

HB

Henry Bratcher Technical Translations  
PO Box 157  
Altadena, California

Instru Soc of Amer

Instrument Society of America  
313 Sixth Avenue  
Pittsburgh 22, Pennsylvania

Interntl Arts and Sci Press

International Arts and Sciences Press  
33 West 42d Street  
New York 36, New York

Interntl Phys Index

International Physical Index, Inc  
1909 Park Avenue  
New York 35, New York

MEB

Mark E. Burgunker  
541 West 113th Street  
New York 25, New York

McGraw-Hill Book Co

McGraw-Hill Book Company, Inc  
330 West 42d Street  
New York 36, New York

PP

Pergamon Press  
122 East 55th Street  
New York 22, New York

PS

Primary Sources  
11 Bleecker Street  
New York 12, New York

ACSIL

Admiralty Center for Scientific Information and Liaison  
Queen Anne's Mansions  
St James Park  
London, SW 1, England

BISI

British Iron and Steel Translations  
4 Grosvenor Gardens  
London SW 1, England

Cleaver-Hume Press Ltd

Cleaver-Hume Press Ltd  
31 Wright's Lane  
London, W 8, England

DSI (British)

Ministry of Supply  
TIL.1(b)  
Leysdown Road  
Motttingham  
London SE 9, England

DSIR

Department of Scientific and Industrial Research  
Records Section  
Charles House  
5-11 Regent Street  
London SW 1, England

DSIR LLU

Department of Scientific and Industrial Research  
Lending Library Unit  
20 Chester Terrace  
London NW 1, England

LLU Tr Bul

Her Majesty's Stationery Office  
PO Box 569  
London SE 1, England

BWRA

British Welding Research Association  
Abington Hall, Abington  
Cambridge, England

RABRM

The Research Association of British Rubber Manufacturers  
Shawbury  
Shrewsbury, England

All orders from the American Continents:

Palmerton Publishing Company, Inc  
101 West 31st Street  
New York 1, New York



P R O J E C T S   R E P O R T E D  
F O R   A U G U S T   1 9 6 0

USSR

Economic

Economic Cooperation and Mutual Assistance  
Between the Soviet Union and the European  
People's Democracies, by A. K. Kozik,  
(SF-1056).

RUSSIAN, bk, Ekonomicheskoye Sotrudnichesatvo  
i Vzaipomoshch Mezhdru Sovetskom Soyuzom i  
Yevropeyskimi Stranami Narodnoy Demokratii,  
1958, pp 53-69.

\*JPRS

On the Experience of Converting Industrial  
Enterprises to the Seven- and Six-Hour  
Workday During 1956-1958, (SF-1058).

RUSSIAN, bk, Iz Opyta Perekhoda Predpriyatiy  
na Sokrashchenny Rabochiy Den', 1959,  
pp 46-109.

\*JPRS

Utilization of Freight Cars Carrying Capacity,  
by A. P. Leontyev, Yu. N. Tikhonchuk, 29 pp.

RUSSIAN, bk, Izpol'zovaniye Gryzopol'emosti  
Vagonov, pp 1-16, 226-236, 265, 266.

ACSI H-6391  
ID 2146515

Refrigeration Machinery and Installations, by  
N. V. Dem'jankov, V. A. Abramov, 8 pp.

RUSSIAN, bk, Kholodil'nyye Mashiny i Sooruzheniya,  
1959, pp 421-427.

JPRS 3665

International Currency and Credit Relations of  
the USSR, by A. M. Smirnov, (SF-1059).

RUSSIAN, bk, Mezhdunarodnyye Valyutnyye i  
Kreditnyye Otnosheniya SSSR, 1960, pp 100-198,  
257-363.

\*JPRS

New 12-Channel Apparatus Type V-12-2 for  
High Frequency Telegraphy Over Aerial Commu-  
nications Lines, (NY-4664).

RUSSIAN, bk, Novaya 12-Kanal'naya Apparatura  
VCh Telefonirovaniya po Vozdushnym Liniyam  
Svyazi Tipa V-12-2, 1959, p 142.

\*JPRS

USSR

Economic (Contd)

Engine Building at Tractor and Agricultural Machine Building Plants of the Khar'kovskiy Sovnarkhoz, by A. A. Sablin, 7 pp.

RUSSIAN, bk, Novyye Traktornyye i Kombaynovyye Dizeli, 1958, pp 5-11.

JPRS 3656

Prospects for an Over-All Utilization of Siberian Water Power. Excerpt: Irrigation and Water Supply of Arid Regions in Western Siberia and in the Turgai Depression, by M. M. Davydov.

RUSSIAN, bk, Perspektivy Kompleksnogo Ispol'zovaniia Stoka Sibirskikh Rek. Excerpt: Obvodnenie, Oroshenie i Vodosnabzhenie Zasushliviyykh Rayonov Zapadnoi Sibiri i Turgaiskogo Proгиба, 1957, pp 1-32.

\*AEC

Heavy Portable Cranes, by A. A. Vaynson, 4 pp. RUSSIAN, bk, Pod'yemno-Transportnyye Mashiny, 1959, pp 186-211.

AID SIR 3370

The Development and Distribution of Agriculture in Accordance With the Natural Farming Areas of the USSR, by P. M. Zemskiy, (DC-4282).

RUSSIAN, bk, Razvitiye i Razmeshcheniye Zemledeliya po Prirodno-Khozyaystvennym Rayonam SSSR, 1959, pp 1-300.

\*JPRS

Development of the Cement Industry of East Siberia With Complex Utilization of Raw Material Resources, by Z. I. Loginov, (NY-2800/16).

RUSSIAN, bk, Razvitiye Proizvoditel'nykh Sil Vostochnoy Sibiri, 1960, pp 44-47.

\*JPRS

Technical Progress and Increase in Labor Productivity in the Copper Industry of the USSR, by V. Lebedev, (NY-3001/15).

RUSSIAN, bk, Sbornik Statey po Ekonomicheskim Voprosam, Moscow, 1958, pp 70-105.

\*JPRS

Agriculture of Albania, by R. I. Dogonadze, (DC-4296).

RUSSIAN, monograph, Sel'skoye Khozyaystvo Albanii, 1957, pp 1-263.

\*JPRS

USSR  
Economic (Contd)

Warehouses and Mechanization of Freight Handling in Railroad Transport, by G. P. Grinevich, 119 pp. RUSSIAN, bk, Sklady i Mekhanizatskiya Pogruzochno-Razgrudzochnyykh Rabot na Zheleznodorozhnom Transporte, pp 1-8, 70-80, 170, 171, 190, 191, 200-212, 286-320, 353, 354, 355-376, 437-450.

ACSI H-4543  
ID 2109941

The Fuel and Power Industry of the USSR, 1959-1965, by A. F. Zasyad'ko, (DC-4308). RUSSIAN, bk, Toplivno-Energeticheskaya Promyshlennost' SSSR, 1959-1965, 1959, pp 5-157.

\*JPRS

Helicopters, by P. V. Konarat'yev. RUSSIAN, bk, Vertolity.

ACSI H-6421  
ID 2146501

The Problems of Interbasin Water Management Interdependence, by A. V. Chaplygin. RUSSIAN, bk, Voprosy Mezhdasseynovykh Vodokhozyaystvennykh Svyazey.

\*ACSI H-7122  
ID 2147182

The Reproduction of Labor Power in the USSR and the Balance of Labor, by M. Ya. Sonin, (DC-4292). RUSSIAN, bk, Vosproizvodstvo Rabochey Sily v SSSR i Balans Truda, 1959, pp 1-367.

\*JPRS

Rail Transport in the USSR, 1959-1965, by Boris Pavlovich Beshchev, 75 pp. RUSSIAN, bk, Zheleznodorozhnyy Transport SSSR v 1959-1965 gg.

ACSI H-6943  
ID 2146537

New Machine Tools, 14 pp. RUSSIAN, per, Byul' Tekh-Ekon Informatsii, No 10, 1959, pp 17-27.

JPRS 2969

Model 3A153A Cylindrical Grinding Automatic Machine, by A. V. Shchegolev, 3 pp. RUSSIAN, per, Byul' Tekh-Ekon Informatsii, No 11, 1959, pp 33-35.

JPRS 5112

Model 1L38 Semiautomatic Line for Machining Track Link Bushings for the S-80 Tractor, by E. S. Shul'kina, 5 pp. RUSSIAN, per, Byul' Tekh-Ekon Informatsii, No 2, 1960, pp 15-18.

JPRS 5112

USSR

Economic (Contd)

Comprehensive Utilization of the Ores of the Gay Deposit, by F. I. Nagirnyak, V. N. Popova, 8 pp.

RUSSIAN, per, Byull Tavet Metal, Tsentral Inst Informat, No 10, 1958, pp 10-13.

JPRS 5111

Copper Reduction During Fire Refining With Coal Dust, by Ye. V. Odegov, 8 pp.

RUSSIAN, per, Byull Tavet Metal, Tsentral Inst Informat, No 10, 1958, pp 20-23.

JPRS 5111

Cybernetics and Life, by A. I. Berg, 10 pp.

RUSSIAN, np, Ekonomicheskaya Gazeta, 12 Jun 1960, p 2.

JPRS 3514

One Million Kilometers Without Factory Overhaul, by A. G. Antyunkin.

RUSSIAN, per, Elektricheskaya i Teplovozhaya Tyaga, No 2, 1957, pp 27-30.

ACSI H-6358, C  
ID 2146525

The Tasks of the Electrical Engineering Industry, by N. I. Borisenko, 11 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1960, pp 1-5.

JPRS 2969

The 500KV Sverdlovsk Substation, by L. D.

Gustov, M. T. Levin, A. M. Marinov, L. M.

Mizin, A. P. Petrokov, (SF-1038).

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 61-65.

\*JPRS

Prospects for the Use of Direct Current Transmission Lines in USSR, by E. S. Groys, (SF-1038).

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 86-89.

\*JPRS

Specialized Computing Machine for Harmonic

Synthesis and Harmonic Analysis, by A. M.

Zayezdnyy, L. M. Rakhovich, (NY-2900/27).

RUSSIAN, per, Elektrosvyaz, No 6, 1960, pp 66-68.

\*JPRS

Electrical Engineering Instruments Made by the Krasnodarskiy Sovnarkhoz, 10 pp.

RUSSIAN, per, Energetik, No 9, 1959, pp 39, 40; No 10, 1959, p 40.

JPRS 2969

USSR  
Economic (Contd)

Panels Made by the Elektropul't Plant, 10 pp.  
RUSSIAN, per, Energetik, No 12, 1959, pp 33,  
34; No 1, 1960, pp 39, 40.

JPRS 2969

The Technical Progress of Hydroturbine Building  
at the Leningrad Metal Plant in 1959-1965, by  
G. S. Shchegolev, 7 pp.  
RUSSIAN, per, Energomashinostroyeniye, No 3,  
1960, pp 1-4.

JPRS 5032

Correct Solution of the Problems of Financing  
Individual Home Construction, by D. Pudikov,  
A. Filimonov, (DC-4269).  
RUSSIAN, per, Finansy SSSR, No 3, 1960,  
pp 67-70.

\*JPRS

Population and Cities of the USSR According  
to Preliminary Totals of the 1959 All-Union  
Census, by V. G. Davidovich, 22 pp.  
RUSSIAN, per, Geografiya v Shkole, No 5, 1959,  
pp 8-24.

AF 1419622

Gold Mining Industry of Chukotka.  
RUSSIAN, per, Geografiya v Shkole, No 6, 1960,  
p 76.

USACRAPAC, PD  
Tr No 102265

New Scientific Center in the Zabaykal'ye.  
RUSSIAN, per, Geografiya v Shkole, No 6, 1960,  
p 76.

USACRAPAC, PD  
Tr No 102265

The Distribution of Dispersed Elements in  
Industrial Deposits of Nonferrous Metals, by  
V. N. Leksin, L. V. Smirnyagin, (NY-3001/14).  
RUSSIAN, per, Gornyy Zhur, No 3, 1960, pp 11-14.

\*JPRS

The Conversion of Mining Enterprises to a  
Shorter Working Day and New Wage Schedule:  
Leninogorsk Polymetals Combine, by T. P.  
Sazonov, Ye. S. Bulynko, (NY-3001/13).  
RUSSIAN, per, Gornyy Zhur, No 5, 1960,  
pp 8-10.

\*JPRS

USSR

Economic (Contd)

The Conversion of Mining Enterprises to a Shorter Working Day and New Wage Schedule: Zyrjanovsk Lead Combine, by V. N. Finogenov, (NY-3001/13).

RUSSIAN, per, Gornyy Zhur, No 5, 1960, pp 10, 11.

\*JPRS

The Conversion of Mining Enterprises to a Shorter Working Day and New Wage Schedule: Dzhezkazgan Mining Administration, by L. S. Pamyatnykh, (NY-3001/13).

RUSSIAN, per, Gornyy Zhur, No 5, 1960, pp 13, 14.

\*JPRS

New Stopping Technology for the Mining of Vein Deposits, by A. F. Nazarchik, M. I. Agoshkov, (NY-3001/13).

RUSSIAN, per, Gornyy Zhur, No 5, 1960, pp 14-18.

\*JPRS

The Third Plenum of the Central Administration of the Scientific and Technical Society for Nonferrous Metallurgy, by V. A. Frolov, (NY-3001/13).

RUSSIAN, per, Gornyy Zhur, No 5, 1960, p 75.

\*JPRS

Basic Problems in the Fuel and Power Balance of the USSR, by M. A. Styrikovich, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1960, pp 3-11.

JPRS 5047

The Possibility of Heavy-Suspension Concentration of Ores From the Nerchinsk Deposits, by S. V. Bessonov, I. M. Kulikov, 7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 47-51.

JPRS 2978

Recovery of Selenium From the Slimes of Sulfuric-Acid Plants, by V. D. Ponomarev, Ye. A. Buketov, G. A. Kononenko, 13 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 85-92.

JPRS 2978

USSR

Economic (Contd)

Obtaining Tellurous Concentrate From the Melts of Alkali-Lead-Refining, by V. S.

Lovshikov, B. M. Lipshits, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 93-98.

JPRS 2978

Recovery of Precious Metals by Anion-Exchange Resins From the Waste and Processing Solutions of Copper Electrolytic Enterprises, by A. B. Davankov, V. M. Laufer, S. V. Pakitin, L. G. Levian, A. I. Chernobay, 12 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 134-141.

JPRS 2978

The Bases for an Economic Evaluation of Mineral Deposits in a Socialist Economy, by S. Ya. Rachkovskiy, 14 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 185-194.

JPRS 2978

On the Threshold of the Second Year of the Seven-Year Plan (Chemical Machinery), 4 pp.

RUSSIAN, per, Khim Mash, No 1, 1960, pp 1-3.

JPRS 2969

Equipment for the Cinema Industry in 1960, by A. Barinov, (NY-2900/27).

RUSSIAN, per, Kinomekhanik No 5, 1960, pp 19-22.

\*JPRS

Synthetic Substitute for Albumin, by I. Matus, 3 pp.

RUSSIAN, per, Kolkhoz Proizvod, No 12, 1959, pp 24-27.

JPRS 3652

Impregnation of Leather by Water Dispersion of Polymers, by K. M. Zurabyan, S. A. Pavlor, 19 pp.

RUSSIAN, per, Leg Prom, No 3, 1956, pp 32-38.

ACSI H-6366  
ID 2146524

Mechanized Constant-Flow Line for Sand-Slinging Mold Making, by A. S. Shuper, L. Ya. Melekhin, (NY-2900/25).

RUSSIAN, per, Lit Proiz, No 7, 1960, pp 14-16.

\*JPRS

USSR  
Economic (Contd)

Broad Perspectives, by V. I. Zil'berberg,  
(NY-2900/25).  
RUSSIAN, per, Mashinostroitel, No 4, 1960,  
pp 6-9.

\*JPRS

Mechanization of Work in Hoisting and Moving  
Heavy Parts and Units, by D. V. Kazmenko,  
(NY-2900/25).  
RUSSIAN, per, Mashinostroitel, No 4, 1960,  
pp 10-13.

\*JPRS

Constant-Flow Lines for the Heat Treatment of  
Lock Washers, by V. N. Gusev, (NY-2900/25).  
RUSSIAN, per, Mashinostroitel, No 4, 1960,  
pp 13-15.

\*JPRS

Automation of the Processes of Electroero-  
sional Labeling, by V. L. Ayzenshtok, S. I.  
Kominar, (NY-2900/25).  
RUSSIAN, per, Mashinostroitel, No 4, 1960,  
pp 16-19.

\*JPRS

Automatic Lines of Broaching Machines, by  
A. F. Gorbatshevich, 6 pp.  
RUSSIAN, per, Mekh 1 Avtomat Proiz, No 2,  
1960, pp 5-9.

JPRS 5112

Milling and Boring Automatic Line, by G. A.  
Bushmich, 3 pp.  
RUSSIAN, per, Mekh 1 Avtomat Proiz, No 2,  
1960, pp 9, 10.

JPRS 5112

Complete Automation and Mechanization of  
the Production Processes of Machining Metals,  
by Yu. V. Kolotilova, 5 pp.  
RUSSIAN, per, Mekh 1 Avtomat Proiz, No 2,  
1960, pp 53, 54.

JPRS 5032

Improve the Supply of Installation Cranes  
to the Construction Industry, 4 pp.  
RUSSIAN, per, Mekh Stroitel, No 3, 1960,  
pp 1, 2.

JPRS 5259



USSR  
Economic (Contd)

**Types of Cranes Needed by the Construction Industry**, by V. A. Ivanov, V. I. Polyakov, 7 pp.

RUSSIAN, per, Mekh Stroitel, No 3, 1960, pp 3-8.

JPRS 5259

**Universal Jib-Type Self-Propelled Tower Cranes**, by M. P. Khodov, L. N. Shchipakin, 6 pp.

RUSSIAN, per, Mekh Stroitel, No 3, 1960, pp 9-14.

JPRS 5259

**Complex Mechanization and Automation of the Extraction and Processing of Rock Products**, (NY-2800/16).

RUSSIAN, per, Mekh Stroitel, No 7, 1960, pp 1, 2.

\*JPRS

**Complete Mechanization in All Branches of Agriculture**, by I. Polevodin, 3 pp.

RUSSIAN, mp, Molot, Rostov-na-Donu, 5 Feb 1960.

JPRS 3652

**The Work of Scientists in the Field of Mechanization and Automation in Nonferrous Metallurgy**, by Sh. Chokin, 8 pp.

RUSSIAN, per, Narod Khoz Kazakh, No 11, 1959, pp 14-21.

JPRS 5111

**We Are Adopting the New and Advanced in Production (at Nonferrous Metallurgical Enterprises)**, by K. Simakov, 7 pp.

RUSSIAN, per, Narod Khoz Kazakh, No 11, 1959, pp 25-29.

JPRS 5111

**At the Automatic Lines Plant**, by A. Shipigel', 5 pp.

RUSSIAN, per, Nauchno-Tekh Obshchestva SSSR, No 3, 1960, pp 10, 11.

JPRS 5032

**Reconstruction of the Fuel Balance**, by D. Notkin, 13 pp.

RUSSIAN, per, Plan Khoz, Vol XXXVI, No 1, 1959, pp 43-52.

JPRS 3693

USSR

Economic (Contd)

Siberia - A Major Economic-Geographical Area of the USSR, by A. Bedishchev.  
RUSSIAN, per, Plan Khoz, No 12, 1959.

Interntl Arts & Sci Press  
Problems of Economics  
Vol III, No 2

Relationship Between the Increase in Labor Productivity and Wages in the Seven-Year Plan Period, by D. Karpukhin, 6 pp.  
RUSSIAN, per, Plan Khoz, No 1, 1960, p 27.

Interntl Arts & Sci Press  
Problems of Economics  
Vol III, No 2

Deeds and Needs of Boilermakers, by P. Kovrigin, N. Zhadanov, T. Bibikova, L. Belyayev, Yu. Yegorov, 4 pp.  
RUSSIAN, np, Pravda, 22 Mar 1960, p 2.

JPRS 5032

Cement -- The Bread [and Butter] of the Construction Industry, by A. Pogosov, (NY-2800/16).  
RUSSIAN, np, Pravda, 23 Jul 1960, p 2.

\*JPRS

Republic Conference on Instrument Building, by N. N. Skvortsov, 4 pp.  
RUSSIAN, per, Priborostroyeniye, No 3, 1960, pp 27, 28.

JPRS 5032

Improved Machines for Agriculture, 3 pp.  
RUSSIAN, np, Prom-Ekon Gazeta, 16 Dec 1959.

JPRS 3652

Agricultural Machinery Enterprises of the Leningrad Sovnarkhoz, by Ye. A. Tkachenko, 3 pp.  
RUSSIAN, per, Sel'skoye Khoz Severo-Zapadnoy Zony, No 3, 1960, pp 68-70.

JPRS 3640

Labor Disputes Commissions at Enterprises and Institutions, by E. Gershanov, V. Skobelkin, 3 pp.  
RUSSIAN, per, Sotsialisticheskiy Trud, No 1, 1960.

Interntl Arts & Sci Press  
Problems of Economics  
Vol III, No 2

The Law on State Pensions and Some Questions of the Further Development of Pension Security, by V. Acharkan, M. Lantsev, 5 pp.  
RUSSIAN, per, Sotsialisticheskiy Trud, No 1, 1960.

Interntl Arts & Sci Press  
Problems of Economics  
Vol III, No 2

USSR  
Economic (Contd)

Conversion to the Seven-Hour Workday and Wage Reform in Construction, by Ye. Torgonenko, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 4, 1960, pp 51-57.

\*JPRS

Questions of Cash Wages in Kolkhozes, by A. Kandrenkov, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1960, pp 18-23.

\*JPRS

The Distribution and Utilization of Kolkhoz Labor Resources, by A. Gol'tsov, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1960, pp 32-41.

\*JPRS

New Payment Conditions for Personnel in the Woodworking Industry, by I. Kulagin, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1960, pp 51-56.

\*JPRS

Questions Relating to the Structure of a Salary System for Management Personnel, Engineers, Technicians and Employees, by V. Markov, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1960, pp 57-65.

\*JPRS

Economic Accountability and the New Bonus System, by Yu. Kayurov, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1960, pp 108-116.

\*JPRS

Legal Regulation of the Labor of Young Workers and Specialists, by Ya. Davidovich, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 6, 1960, pp 21-28.

\*JPRS

Concerning the Wage Rate System in Kolkhozes, by P. Mamayev, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 6, 1960, pp 29-33.

\*JPRS

USSR

Economic (Contd)

Wages and Product Quality, by S. Ilin, V. Shiryayev, V. Kazakin, G. Kor'ye, M. Yakovlev, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 6, 1960, pp 105-119.

\*JPRS

Certain Problems of State Management of Technological Progress, by S. A. Mayevskiy, 19 pp.

RUSSIAN, per, Sovet Gosudarstvo i Pravo, No 3, 1960, pp 34-45.

JPRS 5148

Seven-Year Plan and Industrial Hygiene, by S. Kurashov, 7 pp.

RUSSIAN, per, Sovet Profsoyuzy, No 11, 1959, pp 9-12.

JPRS 2996

Fish Farming -- An Important Source for Increasing Food Resources, by S. Alekseyev, (DC-4270).

RUSSIAN, per, Sovet Torgovlya, No 8, 1958, pp 12-15.

\*JPRS

Household Refrigerators Will Be Better and More Economical, by S. Varenko, 8 pp.

RUSSIAN, per, Sovet Torgovlya, No 1, 1960, pp 14-19.

JPRS 3688

Satisfy the Requirements of City Construction, (NY-2800/16).

RUSSIAN, per, Steklo i Keramika, No 7, 1960, p 1.

\*JPRS

The D-464 Asphalt-Laying Machine of a Lightweight Type, by B. F. Tatarskiy, M. S. Tobak, 3 pp.

RUSSIAN, per, Stroitel i Dorozhnoye Mashino-stroyeniye, No 3, 1960, pp 12, 13.

JPRS 5259

Let's Build a Powerful Material and Technical Construction Base, (NY-2800/15).

RUSSIAN, per, Stroitel Materialy, No 6, 1960, pp 1, 2.

\*JPRS

USSR  
Economic (Contd)

Let's Overfulfill the Building Materials Production Plan, (NY-2800/16).

RUSSIAN, per, Stroitel Materialy, No 6, 1960, pp 2, 3.

\*JPRS

New Soviet Harbor Icebreaker, by A. N. Vasilevskiy, 7 pp.

RUSSIAN, per, Sudostroyeniye, No 1, 1960, pp 6-8.

JPRS 3644

Development of the Technology of Producing Cinema Equipment at the Lenkinap Plant, by S. M. Kuznetsov, R. M. Kasherininov, (NY-2900/27).  
RUSSIAN, per, Tekh Kino i Televideniya, No 5, 1960, pp 56-61.

\*JPRS

To Hasten Fulfillment of the Decisions of the Twenty-First Party Congress and the June Plenum of the Central Committee CPSU, 6 pp.

RUSSIAN, per, Traktory i Sel'khoz mashiny, No 11, 1959, pp 1-3.

JPRS 3652

New Machines for Beet Production, by V. I. Voronezhskiy, 8 pp.

RUSSIAN, per, Traktory i Sel'khoz mashiny, No 11, 1959, pp 24-26.

JPRS 3652

New Plows, by V. I. Andreyev, 7 pp.

RUSSIAN, per, Traktory i Sel'khoz mashiny, No 11, 1959, pp 32-34.

JPRS 3652

Analysis of Constant Flow Production at Tractor and Agricultural Machine Building Plants, by P. I. Minin, V. K. Shumilkin, 16 pp.

RUSSIAN, per, Traktory i Sel'khoz mashiny, No 11, 1959, pp 38-41.

JPRS 3652

New Equipment for Agriculture, by M. I. Kletskin, 5 pp.

RUSSIAN, per, Traktory i Sel'khoz mashiny, No 12, 1959, pp 1, 2.

JPRS 3640

USSR  
Economic (Contd)

Utilizing Internal Resources, by V. I. Mishchenko, 4 pp.  
RUSSIAN, per, Traktory i Sel'khoz mashiny, No 12, 1959, pp 39, 40.

JPRS 3640

Pay More Attention to Cement Plant Construction, (NY-2800/16).  
RUSSIAN, per, Tsiment, No 3, 1960, pp 1-3.

\*JPRS

Problems of the Coal Industry in 1960, by G. V. Krasnikovskiy, 11 pp.  
RUSSIAN, per, Ugol, No 4, 1960, pp 3-8.

JPRS 3625

Efficient Ways of Utilizing the Pyrite Concentrates of Polymetallic and Copper-Pyrite Ores of the Altay Mining Region, by N. Satybaldin, (NY-3001/14).  
RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 3, 1960, pp 3-10.

\*JPRS

The Tasks and Possibilities of Modern Science in Overcoming the Economic Backwardness of Certain Countries, by A. N. Nosmeyanov, 15 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 12, 1959, pp 3-15.

JPRS 3632

Major Problems of Cotton-Growing in the Soviet Union, by A. D. Dadabayev.  
RUSSIAN, per, Vest Sel'skokh Nauk, No 1, 1960, pp 23-27.

\*USDA

The Contribution of Agrophysicists to the Technical Progress of Agriculture.  
RUSSIAN, per, Vest Sel'skokh Nauk, No 4, 1960, pp 58-63.

\*USDA

X-Raying as a Factor of Increasing Yielding Capacity of Agricultural Crops, by I. G. Strona.  
RUSSIAN, per, Vest Sel'skokh Nauk, No 4, 1960, pp 110-112.

\*USDA

USSR

Economic (Contd)

Scientific Conference on the Problem of  
Physiological Stimulation in the Fattening  
of Agricultural Animals, by L. Fitina.

RUSSIAN, per, Vest Sel'skokh Nauk, No 4,  
1960, pp 136-138.

\*USDA

A Most Important Stage in the Development  
of Agriculture in the USSR, by D. Yakushkin,  
22 pp.

RUSSIAN, per, Vest Statistiki, No 12, 1959,  
pp 7-19.

JPRS 3574

The Structure of an Inter-Branch Balance of  
Production and Distribution in the Soviet  
National Economy, by M. Eidel'man, 8 pp.

RUSSIAN, per, Vest Statistiki, No 1, 1960,  
p 55.

Internl Arts & Sci Press  
Problems of Economics  
Vol III, No 2

The International Socialist Division of Labor,  
by O. Bogomolov, 7 pp.

RUSSIAN, per, Voprosy Ekon, No 1, 1960, p 13.

(see above)

Capital Investments and Rates of Expanded  
Production, by B. Smekhov, 7 pp.

RUSSIAN, per, Voprosy Ekon, No 2, 1960,  
p 3.

(see above)

Collaboration of Socialist Countries in the  
Development of Machine Building, by K.  
Vinogradov, 5 pp.

RUSSIAN, per, Voprosy Ekon, No 2, 1960, p 17.

(see above)

Strengthening the Cost Accounting Principle  
in Industry, by M. Vokhov, 5 pp.

RUSSIAN, per, Voprosy Ekon, No 2, 1960, p 45.

(see above)

The Organization of International Settlements  
Among Socialist Countries, by F. Bystrov, 4 pp.

RUSSIAN, per, Voprosy Ekon, No 2, 1960, p 112.

(see above)

New Problems of the Organization of Socialist  
Production, by I. G. Kurakov, 7 pp.

RUSSIAN, per, Voprosy Filosofii, No 1, 1960,  
p 24.

(see above)

USSR

Economic (Contd)

The ZIL-130 Family of Vehicles, by G. Festa.  
RUSSIAN, per, Za Rulem, No 1, 1960, pp 14-16.

ACSI H-6641

Concerning the System of Protection of  
Agricultural Crops on the New Lands of  
Kazakhstan, by Zh. T. Dzhyembayev.  
RUSSIAN, per, Zash Rast, Vol IV, No 5, 1959,  
pp 20-23. 9057408

USDA

Expansion of the Planting of Fodder Legumes,  
by M. P. Yelsukov, 4 pp.  
RUSSIAN, per, Zhivotnovodstvo, No 3, 1960,  
pp 42, 43.

JPRS 3652

Murmansk -- A Rapidly Developing Center, by  
Aarne Tanninen, 7 pp.  
FINNISH, np, Uusi Suomi, 1 May 1960.

JPRS 3719

First Results and Next Tasks [In the Coal  
Industry of the Ukraine], by A. A. Burmistrov,  
13 pp.  
UKRAINIAN, per, Ugol' Ukrainy, No 1, 1960,  
pp 1-6.

JPRS 3645



USSR

Political

The Ideological Roots of Revisionism in Questions of Contemporary International Relations, by I. Lemin, 13 pp.  
RUSSIAN, pp 81-97.

JPRS 5012

Commerative Dates Listed in Soviet Calendar for 1960, (DC-4254).  
RUSSIAN, bk, Nastol'nyy Kalendar' 1960, 1959, 208 pp.

\*JPRS

The Soviet Union -- Chief Support of Peace-Loving Humanity, 13 pp.  
RUSSIAN, per, Kommunist, No 8, 1960, pp 13-23.

JPRS 3483

The Crucial Period in the Building of Communism, 14 pp.  
RUSSIAN, per, Molodoy Kommunist, No 4, 1960, pp 17-31.

JPRS 3651

The Immortal Figure of Lenin, by K. Voroshilov, 20 pp.  
RUSSIAN, per, Politicheskoye Samoobrazovaniye, Vol IV, No 4, 1960, pp 11-26.

JPRS 3671

Development of the Leninist Principles of the Peaceful Coexistence of Two Systems as Expressed in the Decisions of the 20th and 21st Party Congresses, by I. A. Kirilin, 22 pp.  
RUSSIAN, per, Voprosy Istorii KPSS, Vol IV, No 1, 1960, pp 155-166.

JPRS 3501

The Situation Surrounding the Fifth Supreme Soviet.  
JAPANESE, per, Tairiku Mondai, Jul 1960, pp 12-18.

USACRAPAC, PD  
Tr No 102234

USSR

Military

Civil Defense Manual, by N. Ivanov,  
(DC-2800/23).  
RUSSIAN, bk, Bud' Gotov k PVO, 1959,  
pp 3, 12-19, 23-25, 37-40, 54-60, 79-88,  
121-125.

\*JPRS

Individual Means of Chemical Defense, by  
A. S. Zubkin.  
RUSSIAN, rpt, Individual'nyye Eredstva  
Protivokhimicheskoy Zashchity, pp 35-64.

\*525th MI Gp H-7052

Camouflage in War, by M. Tolochkov, 5 pp.  
RUSSIAN, bk, Maskirovka Navoyne, 1958,  
pp 1, 33, 38, 44, 46, 47.

ACSI H-6514  
ID 2144863

Legal Regulation of the Soviet Armed Forces,  
by I. F. Pobezhimov, (DC-2800/32).  
RUSSIAN, bk, Pravovoye Regulirovaniye-  
Stroitel'stva Sovetskoy Armii i Flota, 1960.

\*JPRS

A. Incontrovertibel Conclusion of History,  
by N. Talenskiy. B. German Militarism and  
Western Europe, by D. Melnikov, 24 pp.  
RUSSIAN, per, Kommunist, No 7, May 1960,  
pp 31-41, 90-95.

ACSI H-6987  
ID 2147184

Achieve New Heights in Military Training,  
4 pp.  
RUSSIAN, np, Krasnaya Zvezda, Vol XXXVII,  
No 5, 7 Jan 1960, p 1.

JPRS 3689

For Militant, Purposeful Party Propaganda,  
3 pp.  
RUSSIAN, np, Krasnaya Zvezda, Vol XXXVII,  
No 9, 12 Jan 1960, p 1.

JPRS 3689

Study of Materials From the Fourth Session  
of the Supreme Soviet USSR, 5 pp.  
RUSSIAN, np, Krasnaya Zvezda, Vol XXXVII,  
No 21, 26 Jan 1960, pp 2, 3.

JPRS 3689

An Important Event in Army and Navy Life,  
3 pp.  
RUSSIAN, np, Krasnaya Zvezda, No 51 (11045),  
2 Mar 1960, p 1.

JPRS 3650

USSR  
Military (Contd)

Tactical Outlook, by P. Trifonov, G. Ashin,  
5 pp.

RUSSIAN, np, Krasnaya Zvezda, No 59 (11053),  
11 Mar 1960, pp 1, 2.

JPRS 3650

For the Soldiers' Mess, by F. Saushin, 3 pp.

RUSSIAN, np, Krasnaya Zvezda, No 65 (11059),  
18 Mar 1960, p 2.

JPRS 3650

Party Commissions, 3 pp.

RUSSIAN, np, Krasnaya Zvezda, No 68 (11062),  
22 Mar 1960, p 1.

JPRS 3650

Important Means of Strengthening Discipline,  
by M. Zakharov, 7 pp.

RUSSIAN, np, Krasnaya Zvezda, No 77 (11071),  
1 Apr 1960, pp 2, 3.

JPRS 3650

Guarding Soldiers' Health, 3 pp.

RUSSIAN, np, Krasnaya Zvezda, No 84 (11078),  
9 Apr 1960, p 1.

JPRS 3650

Distant New Places Call, by I. Kulikov, 4 pp.

RUSSIAN, np, Krasnaya Zvezda, No 92 (3569),  
17 Apr 1960, p 2.

JPRS 3650

The Staff and Troop Maneuvers (Combined-Arms  
Staff Functions), by I. Tsarenko, 6 pp.

RUSSIAN, np, Krasnaya Zvezda, 19 May 1960,  
pp 2, 3.

JPRS 3711

Toward the Reduced Working Day, 4 pp.

RUSSIAN, np, Krasnaya Zvezda, 19 May 1960,  
pp 2, 3.

JPRS 3711

Development of Party-Political Work in the  
Troops, 5 pp.

RUSSIAN, np, Krasnaya Zvezda, 20 May 1960,  
p 1.

JPRS 3711

Successfully Fulfill the Tasks of Summer  
Troop Training, 4 pp.

RUSSIAN, np, Krasnaya Zvezda, 25 May 1960,  
p 1.

JPRS 3711

USSR  
Military (Contd)

Our Support (Letter From the Krasnoyarsk Air-Club), by S. Yankovskiy, 3 pp.

RUSSIAN, per, Kryl'ya Rodiny, No 4, 1960, pp 10, 11.

JPRS 3676

Improve the Quality of Specialists' Training, 3 pp.

RUSSIAN, np, Sovet Flot, Vol XXII, No 25, 30 Jan 1960, p 1.

JPRS 3689

New Type of Fleet Competitions (Engineering and Damage Control), 3 pp.

RUSSIAN, np, Sovet Flot, Vol XXII, No 27, 2 Feb 1960, p 1.

JPRS 3689

Strong Discipline -- The Basis for Flight Safety, by Ye. Kamenetskiy, 3 pp.

RUSSIAN, np, Sovet Flot, Vol XXII, No 28 (6049), 3 Feb 1960, p 3.

JPRS 3575

Know Radioelectronic Equipment Well (Submarine Electronic Gear), by A. Yaylo, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXII, No 31, 6 Feb 1960, p 2.

JPRS 3689

Ships Dock Less Frequently (For a More Rapid Introduction of a Progressive Method for Combatting Corrosion), by V. Stepanov, 3 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 39, 16 Feb 1960, p 2.

JPRS 3689

Submariners, Achieve Outstanding Knowledge of Your Specialty, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 48 (6069), 26 Feb 1960, p 1.

JPRS 3575

The Attack Did Not Take Place, by A. Kiselev, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 51 (6072), 1 Mar 1960, p 2.

JPRS 3575

In the Center of Attention: The Communist Education of Youth, by N. Badeyev, A. Yefremov, 5 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 51 (6072), 1 Mar 1960, p 3.

JPRS 3575

USSR

Military (Contd)

Paternal Regard for Officer Candidate Nominees,  
by N. Drozdov, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 52  
(6073), 2 Mar 1960, p 2.

JPRS 3575

A Deep Patriotic Feeling, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 58  
(6079), 9 Mar 1960, p 1.

JPRS 3575

Work Out Carefully Every Training Problem,  
3 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 59  
(6080), 10 Mar 1960, p 1.

JPRS 3575

This Experience Must Be Analyzed, by K.  
Smirnov, 3 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 64  
(6085), 16 Mar 1960, p 2.

JPRS 3575

Control in Action, by P. Orlov, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 66  
(6087), 18 Mar 1960, p 3.

JPRS 3575

A Second Specialty Is Particularly Important  
for Submariners, by A. Zhuravin, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 69  
(6090), 22 Mar 1960, p 2.

JPRS 3575

Pride of the Naval Construction Unit, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 73  
(6094), 26 Mar 1960, p 1.

JPRS 3575

Tactical Training of Aircraft Crews (Submarine  
Search), by A. Kiklevich, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 78  
(6099), 1 Apr 1960, p 2.

JPRS 3576

Paper Fairyland (Red Tape in the Auxiliary  
Fleet), by V. Maksyuk, 4 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 78  
(6099), 1 Apr 1960, p 4.

JPRS 3576

USSR

Military (Contd)

We Are Waiting for You in the Far East  
(Discharged Sailors), by S. Luk'yanchenko,  
3 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 87  
(6108), 12 Apr 1960, p 1.

JPRS 3576

Naval Hardening (Northern Fleet Submarine  
Training), by V. Palastrov, 3 pp.

RUSSIAN, np, Sovet Flot, Vol XXIII, No 90  
(6111), 15 Apr 1960, p 2.

JPRS 3576

Improve Propaganda Work, by G. Shatunov, 6 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, No 8,  
27 Jan 1960, p 2.

JPRS 3689

The Whole Year Round (Flight Training), by  
V. Yegorov, 4 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, No 8,  
27 Jan 1960, p 3.

JPRS 3689

We Are Up to the Task (Dosaaf Sports Training),  
by V. Tregubenko, 4 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, No 10,  
3 Feb 1960, p 2.

JPRS 3689

Very Important Dosaaf Task in Rural Areas, by  
S. Shatilov, 6 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, No 12,  
10 Feb 1960, pp 1, 2.

JPRS 3689

Inhabitants of Kostroma Set an Example as  
Regards Fulfilling Obligations, by A.

Nesterskiy, 4 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, No 13,  
14 Feb 1960, p 2.

JPRS 3689

New Limits for Aviation Sports, by I. Belov,  
4 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, No 16,  
24 Feb 1960, p 3.

JPRS 3689

What the Inspection of Clubs Showed, by L.  
Chistyy, 3 pp.

RUSSIAN, np, Sovet Patriot, Vol XXIII, 10 Apr  
1960, p 2.

JPRS 3676

USSR  
Military (Contd)

All-Union Spartakiad for Technical Sports  
(In the TsK VLKSM and TsK DOSAAF of the  
USSR), 3 pp.  
RUSSIAN, mp, Sovet Patriot, Vol XXIII,  
4 May 1960, p 2.

JPRS 3676

New Achievements, Radio Operators, by E.  
Krenkel', 4 pp.  
RUSSIAN, mp, Sovet Patriot, Vol XXIII,  
4 May 1960, p 3.

JPRS 3676

Conduct Propaganda on a Wide Front, 4 pp.  
RUSSIAN, mp, Sovet Patriot, Vol XXIII,  
15 May 1960, pp 2, 3.

JPRS 3676

V. I. Lenin: Creator of Soviet Military  
Science, by Ye. A. Razin, (DC-4267).  
GERMAN, bk, W. I. Lenin -- der Schoepfer  
der Sowjetischen Militaerwissenschaft,  
pp 1-42.

\*JPRS

USSR

Geographic

Physical Geography of USSR, by K. F.

Stroyev, 27 pp.

RUSSIAN, bk, Fizicheskaya Geografiya SSSR,  
1958, pp 101-114, 117-127, 133-141.

ACSI H-6551  
ID 2147196

Forested and Open Steppes on the Russian  
Plain, 53 pp.

RUSSIAN, bk, Lesostep' i Step' Russkoy  
Ravniny, 1956, pp 28, 29, 37-51, 257-273.

ACSI H-6713  
ID 2147217

Rivers and Lakes of Moskovskaya Oblast, by  
Ye. Smirnova, 45 pp.

RUSSIAN, bk, Reki i Oзера Moskovskoy Oblasti,  
1958.

ACSI H-6712  
ID 2146545

Transactions of the Geographical Department,  
by V. I. Lenina, 107 pp.

RUSSIAN, bk, Trudy Geograficheskogo Fakul'teta,  
Vol I, pp 3-16, 81-109, 137-142, 144-147, 149,  
155, 156, 158, 159, 163-165, 169-172, 174-176,  
179-181, 185, 186, 188-192, 196-204, 206, 207,  
210-212.

ACSI H-6550  
ID 2147178

On the Steppes and Foothills of Caucasus, by  
Ye. Maslov, 44 pp.

RUSSIAN, bk, V Step'yakh Predgoryakh Kavkaza,  
1956, pp 3-44.

ACSI H-6548  
ID 2147197

Stabilization and Development of Ravines,  
Gullies, and Steep Slopes, by I. D. Braude.

RUSSIAN, bk, Zokrepleniye i Osvoyeniye  
Ovragov, Balok i Krutykh Oklonov, pp 5-20,  
27-29, 58-92.

\*ACSI H-7201

In the International Geographical Organiza-  
tions Activity of the National Committee of  
Soviet Geographers (From January 1959 to  
March 1960), 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf,  
No 3, 1960, pp 138-142.

JPRS 3658



USSR  
Sociological

Historical Types of Community Among People:  
Clan, Tribe, Nationality, Nation, by A. A.  
Satybalov, 72 pp.

RUSSIAN, bk, Istoricheskiye Tipy Obshchnosti  
Lyudey: Rod, Plemya, Narodnost', Natsiya,  
1959.

JPRS 2947

Criticism of the "Newest" Bourgeois Educa-  
tional Theories, by M. S. Bernshteyn, 34 pp.  
RUSSIAN, monograph, Kritika "Noveyshikh"  
Burzhuznykh Pedagogicheskikh Teoriy, Ser 2,  
No 20, 1959, pp 3-32.

JPRS 3540

Foreword by M. Bakhimov of the Book "Socio-  
metry, Experimental Method and the Science  
of Society," by J. L. Moreno, 14 pp.  
RUSSIAN, bk, Sotsiometriya - Eksperimental'niy  
Metod i Nauka ob Obshchestve, 1958, pp 5-20.

JPRS 2998

Selected Translations From "Sputnik Ateista,"  
by S. I. Kovalev, et al, (DC-4234).  
RUSSIAN, bk, Sputnik Ateista, 1959, pp 27-33,  
114-127, 163-203, 207-228, 241-253, 258-279,  
311-344, 382-393, 397-427, 431-442, 445-455,  
459-478, 500-531.

\*JPRS

Geography in School.  
RUSSIAN, per, Geografiya v Shkole, Jun 1960.

USACRAPAC, PD  
Tr No 102265

Ukrainian Encyclopedia, by B. Vvedenskiy,  
6 pp.  
RUSSIAN, mp, Izvestiya, Vol XLIV, No 64  
(13300), 16 Mar 1960, p 4.

JPRS 3681

Friendship University Starts Admission, 4 pp.  
RUSSIAN, mp, Izvestiya, Vol XLIV, 24 Mar 1960,  
p 3.

AF 1419580

Junior Pupils Do Socially Useful Work, by I.  
Frolova, 3 pp.  
RUSSIAN, per, Nachal'naya Shkola, No 2, 1960.

Interntl Arts & Sci Press  
Sov Education  
Vol II, No 7

Preparing Children for Life Through Physical  
Training, by M. Cherevkov, 3 pp.  
RUSSIAN, per, Nachal'naya Shkola, No 2, 1960.

Interntl Arts & Sci Press  
Sov Education  
Vol II, No 7

USSR

Sociological (Contd)

The Twenty-First Congress of the CPSU and Tasks of Oriental Studies, 11 pp.  
RUSSIAN, per, Problemy Vostokovedeniya, No 1, 1959, pp 18-25.

JPRS 5036

Vocational Guidance and Vocational Counseling of Pupils, by Yu. I. Shpigel', 5 pp.  
RUSSIAN, per, Shkola i Proiz, No 1, 1960.

Internatl Arts & Sci Press  
Sov Education  
Vol II, No 7

Training Bibliographers for Scientific and Technical Libraries, by S. G. Medvedeva, M. V. Sokolov, 5 pp.  
RUSSIAN, per, Sovet Bibliografiya, No 1, 1960, pp 50-53.

LLU Tr Bul  
Jun 60

The Soviet Teacher Is the Students' Mentor and Friend, by T. E. Konnikova, 4 pp.  
RUSSIAN, per, Sovet Pedagogika, No 1, 1960.

Internatl Arts & Sci Press  
Sov Education  
Vol II, No 7

Towards a New Advance in the Teaching of History at Soviet Schools, by A. T. Kimulkin, 5 pp.  
RUSSIAN, per, Sovet Pedagogika, No 1, 1960.

(see above)

New Political Economy Programs and Teaching and Methodological Aids, by V. N. Semenov, 3 pp.  
RUSSIAN, per, Sredneye Spetsial'noy Obrazovanie, No 1, 1960.

(see above)

The Development of Science Requires Constant Attention to Training Scientists and Instructors, by B. L. Davydov, A. V. Nedzvedskiy, 5 pp.  
RUSSIAN, per, Vest Vysshey Shkoly, No 1, 1960.

(see above)

Labor Hygiene in Treatment of Seeds, by L. I. Medved'.  
RUSSIAN, per, Zash Rast, Vol V, No 3, 1960, pp 33-36. 9057434

USDA

Technological Education in the USSR, by Kataoka Masaharu, 8 pp. ID 2139710  
JAPANESE, per, Tairiku Mondai, Mar 1960.

USACRAPAC, PD  
Tr No 101465

USSR

Sociological (Contd)

The Influence of Industrial Personnel on  
the Moral Education of Students, by K. D.  
Dadayev, 13 pp.

UKRAINIAN, per, Radyans'ka Shkola, No 7,  
1959, pp 30-34.

JPRS 5141

Discussing the Draft of the Program for  
Inculcating the Principles of Communist  
Ethics in the Students of Secondary Schools,  
by F. I. Tsvelikh, 8 pp.

UKRAINIAN, per, Radyans'ka Shkola, No 7,  
1959, pp 81-83.

JPRS 5142

"Pedagogical Readings" on Problems of Edu-  
cating Students in a Communist Attitude  
Toward Work, by M. A. Skors'kiy, 8 pp.  
UKRAINIAN, per, Radyans'ka Shkola, No 7,  
1959, pp 91, 92.

JPRS 5143

USSR

Biographic

Vladimir Mikhaylovich Kreyter (On His Sixtieth Birthday), by V. N. Kozerenko, Ye. M. Laz'ko, D. P. Rezvoy, 4 pp.

RUSSIAN, bk, Geologicheskiy Sbornik L'vovskogo Geologicheskogo Obshchestva, No 5/6, 1958, pp 595-597.

JPRS 3666

Vladimir Grigor'yevich Yeliseyev (On His Sixtieth Birthday), 4 pp.

RUSSIAN, per, Arkhiv Anatomii, Gistologii i Embriol, No 8, 1959, pp 123, 124.

JPRS 5055

Biography of Constantine (Konstantin) Tsiolkovskiy, 8 pp.

RUSSIAN, bk, Bol'shaya Sovetskaya Entsiklopediya, Vol XLVI, 1957, pp 634, 635.

AID SIR 3399

Dmitriy Filippovich Protsenko (On the Sixtieth Anniversary of His Birth), 4 pp.

RUSSIAN, per, Botan Zhur, Vol XLV, No 1, 1960, pp 157, 158.

JPRS 5055

The Creative Road of A. V. Kibyakov, 3 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova, Vol XLVI, No 2, 1960, p 257.

JPRS 5055

An Outstanding Scientist in the Field of Mechanics (On the Fiftieth Anniversary of Kh. A. Rakhmatullin, Member of the Academy of Sciences of the Uzbek SSR), by M. T. Urazbayev, 6 pp.

RUSSIAN, per, Iz Ak Nauk UzSSR, No 3, 1959, pp 3-7.

JPRS 3666

Professor Ivan Fedorovich Pravdin, 9 pp.

RUSSIAN, per, Iz Karel'skogo Filialov Ak Nauk SSSR, No 4, 1959, pp 3-7.

JPRS 5055

Sergey Dmitriyevich Nosov (On the Thirty-Fifth Anniversary of His Medical and Scientific Activities), 3 pp.

RUSSIAN, per, Pediatrics, No 1, 1960, p 87.

JPRS 5055

USSR

Biographic (Contd)

N. N. Petrov's Sixty Years of Glorious  
Service to the Fatherland, by F. G.

Uglov, 21 pp.

RUSSIAN, per, Vest Khir imeni I. I. Grekova,  
No 12, 1959, pp 3-14.

JPRS 5055

Physics -- Sergey Eduardovich Frish, 5 pp.

RUSSIAN, per, Vest Leningrad U, No 16, 1959,  
pp 7-9.

JPRS 5055

## EASTERN EUROPE

### Economic

Deposits of Nonmetallic Minerals in Bulgaria,  
by Yovcho Sm. Yovchev, (NY-4696).  
BULGARIAN, bk, Polezni Izkopaemi, Vol I, Part 2,  
1958, pp 90-95, 115, 199, 200, 236-243, 259-261,  
280-283, 295-297, 307-317, 353, 355, 410-412,  
443-445.

\*JPRS

The State Economic Plan and the Budget of  
the People's Republic of Bulgaria for 1960,  
by Kiril Lazarov, (NY-4678).  
BULGARIAN, per, Finansi i Kredit, No 1, 1960,  
pp 3-13.

\*JPRS

Bulgarian Ukases and Laws on Income Taxes,  
(DC-4265).  
BULGARIAN, per, Iz na Prezidiuma na Narodnoto  
Subranie, No 60, 28 Jul 1953; No 15, 19 Nov  
1954; No 64, 9 Aug 1955; No 91, 12 Nov 1957;  
No 90, 11 Nov 1958; No 40, 17 May 1960.

\*JPRS

An Evaluation of the Utilization of Productive  
Capacities in Industry, by Totyu Totev, 26 pp.  
BULGARIAN, per, Iz na Visshiya Finansovo-  
Stopanski Institut Svishtov, Vol XII, No 3,  
Svishtov, 1959, pp 268-287.

JPRS 2986

The Principles of the Economic Effectiveness  
of the Branches in TKZS and Their Indices,  
by Ivan Lutsov, 19 pp.  
BULGARIAN, per, Iz na Visshiya Finansovo-  
Stopanski Institut Svishtov, Vol XII, No 3,  
Svishtov, 1959, pp 329-345.

JPRS 2986

Long-Range Plans for Bulgarian Electric-  
Power Construction in the Period 1965-1970,  
by Pavel Katsarov, Rayko Raykov, (NY-4680).  
BULGARIAN, per, Tekhnika, Vol IX, No 2, 1960,  
pp 1-4, 9.

\*JPRS

Eastern Europe  
Economic (Contd)

Some Problems of Organization of the Health Service, by Borislav Petrovich, 13 pp.  
CROATIAN, per, Socijalna Politika, No 4, 1960, pp 5-18.

JPRS 3675

Waterways of Czechoslovakia, Waterways of Soviet Union, by Frantisek Jermar, 171 pp.  
CZECH, bk, Splavneni Toku Pruplavy, Prague, 1954.

ACSI H-6840  
ID 2147193

The Role of Investment in the Present Stage of Finance, by Karel Suchan, 13 pp.  
CZECH, per, Fiannce a Uver, No 1, Prague, 1960, pp 19-26.

JPRS 5052

Effect of the Price System on the Planning in the National Economy, by Vladislav Knobloch, 15 pp.  
CZECH, per, Finance a Uver, No 1, Prague, 1960, pp 35-44.

JPRS 5052

Modifications in the Methodology in Finance Management as of 1 January 1961, by Stanislav Sourek, (NY-4647).  
CZECH, per, Finance a Uver, No 6, Prague, 1960, pp 347-352.

\*JPRS

Granting Credit for Working Assets of Enterprises of State Trade, by Jan Adamec, Otto Januska, (NY-4647).  
CZECH, per, Finance a Uver, No 6, Prague, 1960, pp 358-363.

\*JPRS

Features of the New Budgetary System for Construction, by Jaroslav Stastny, 5 pp.  
CZECH, per, Hospodarske Noviny, Vol III, No 40, Prague, 2 Oct 1959, p 6.

JPRS 2886

Eastern Europe  
Economic (Contd)

Development of New Technology in Industry,  
Construction and Transportation, by Josef  
Vyskoc, 6 pp.

CZECH, per, Hospodarske Noviny, Vol III,  
No 44, Prague, 30 Oct 1959, pp 1, 4.

JPRS 5052

Adjustments in Interest Policies, by Vladimir  
Jindra, 5 pp.

CZECH, per, Hospodarske Noviny, Vol III,  
No 48, Prague, 27 Nov 1959, p 3.

JPRS 5052

Discussion of 1960 Budget Draft, by J. M.,  
8 pp.

CZECH, per, Hospodarske Noviny, Vol IV, No 4,  
Prague, 22 Jan 1960, pp 1, 3.

JPRS 2886

Soil Erosion in Czechoslovakia, by Bohuslav  
Maran, (NY-4642).

CZECH, per, Mezinarodni Zemedelsky Casopis,  
No 2, 1960, pp 54-65.

\*JPRS

Breeding Development, by Josef Macha, 5 pp.

CZECH, per, Nas Chov, No 3, Prague, 1 Feb  
1960, pp 59, 60.

JPRS 5052

Mechanical and Animal Draft Power Compared,  
by Josef Dedek, 7 pp.

CZECH, per, Nas Chov, No 3, Prague, 1 Feb  
1960, pp 71, 72.

JPRS 5052

Solution of the Housing Problem in Prague,  
by O. Heusler, 9 pp.

CZECH, per, Pozemni Stavby, No 1, Prague,  
1960, pp 3-5.

JPRS 5052

The Suitability of Mixed Cements for Quick  
Construction, by Vladimir Byckovsky, 8 pp.

CZECH, per, Pozemni Stavby, No 1, 1960,  
pp 16, 17.

JPRS 5052

Improving the Quality of Liquid Fuels and  
Lubricants With Additives in Czechoslovakia,  
by V. Stepina, 13 pp.

CZECH, per, Ropa a Ualie, No 1, Bratislava,  
1960, pp 4-8.

JPRS 5052



Eastern Europe  
Economic (Contd)

Protection of Agricultural Land Base, 19 pp.  
CZECH, per, Sbirka Zakonu, No 3, Prague,  
2 Feb 1960; pp 13-20.

JPRS 5052

The Family and Household in the New Housing  
Construction, by Vl. Srb, Vl. Wynnyczuk,  
18 pp.  
CZECH, per, Statisticky Obzor, No 11, Prague,  
1959, pp 481-491.

JPRS 2886

Intensity of Commodity Turnover in State and  
Cooperative Trade, by J. Ruzicka, 8 pp.  
CZECH, per, Statisticky Obzor, No 11, Prague,  
1959, pp 492-496.

JPRS 2886

Development and Survey of Taxes Paid by the  
Public, by K. Mencl, B. Nikodem, 11 pp.  
CZECH, per, Statisticky Obzor, No 11, Prague,  
1959, pp 503-508.

JPRS 2886

Structure of the Czechoslovak Industry, by A.  
Cerveny, J. Vacha, (NY-4641).  
CZECH, per, Statisticky Obzor, No 4, Prague,  
1960, pp 159-165.

\*JPRS

Production of Machinery for East German Light  
Industry, by Ed. Mensik, 4 pp.  
CZECH, per, Strojirenska Vyroba, Vol VII,  
No 12, Prague, 1959, p 553.

JPRS 2886

For Greater Productivity of Motor Vehicle  
Transport, 5 pp.  
CZECH, per, Svet Motoru, No 1, 1959, p 15.

ACSI H-6393  
ID 2146523

Czechoslovak Review of the CEMA General  
Conditions for Delivery of Goods, by J.  
Ruzicka, (DC-4251).  
CZECH, per, Zahranicni Obchod, No 6/7, 1960,  
pp 27-34.

\*JPRS

Swedish-Rumanian Trade Agreement, 1959, 9 pp.  
FRENCH, rpt, Encl 1 to Desp No 76, AmEmbassy,  
Stockholm, 22 Jul 1960.

Dept of State  
4312565

Eastern Europe  
Economic (Contd)

Planning and Organization of Assault Rifle  
Production, 7 pp.

GERMAN, bk, Schweizerische Handelszeitung,  
12 Nov 1959.

ACSI H-6418  
ID 2144864

Tasks of the East German Coal Industry in 1960,  
by K. Siebold, 9 pp.  
GERMAN, per, Bergbautechnik, Vol X, No 1, Berlin,  
1960, pp 1-3.

JPRS 5262

The Organization of Repairs in the Polish Coal  
Industry, by R. Gawel, 5 pp.  
GERMAN, per, Bergbautechnik, Vol X, No 1,  
Berlin, 1960, pp 29-31.

JPRS 5262

Production and Processing of Ethylene and  
Propylene, by Eberhard Richter, 11 pp.  
GERMAN, per, Chemische Technik, Vol XII,  
No 2, Berlin, 1960, pp 49-54.

JPRS 5262

Reconstruction of Two and Three Axle Passenger  
Train Cars of the Deutsche Reichsbahn, by F.  
Nied, 16 pp.  
GERMAN, per, Deutsche Eisenbahntechnik, Vol  
VIII, No 4, Berlin, 1960, pp 165-175.

JPRS 3546

Higher Quality of Planning and Administration  
of the Economy, by Bruno Leuschner, (NY-4597).  
GERMAN, per, Einheit, Vol XV, No 2, 1960,  
pp 193-208.

\*JPRS

Several Problems Concerning the Supply of  
Consumer Goods, by Grete Wittkowski, (NY-4597).  
GERMAN, per, Einheit, Vol XV, No 2, 1960,  
pp 256-267.

\*JPRS

Basic Economic Law of Socialism and the Seven-  
Year Plan, by Hans Tanner, (NY-4590).  
GERMAN, per, Einheit, Vol XV, No 3, 1960,  
pp 368-376.

\*JPRS

Eastern Europe  
Economic (Contd)

Concerning the Complex Territorial Planning  
and Administration of the Economy, by Erich  
Apel, (NY-4590).

GERMAN, per, Einheit, Vol XV, No 3, 1960,  
pp 432-441.

\*JPRS

Development and Growth of Our Electrical  
Industry, by Inge Epp, 6 pp.

GERMAN, per, Der Elektropraktiker, Vol XIII,  
No 10, Berlin, 1959, pp 289-293.

JPRS 2886

KWO - A Large Enterprise of the Berlin Elec-  
trical Industry, 3 pp.

GERMAN, per, Der Elektropraktiker, Vol XIII,  
No 10, Berlin, 1959, pp 300, 301.

JPRS 2886

Central Steam-Heating Plants, 3 pp.

GERMAN, per, Energietechnik, Vol X, No 2,  
Berlin, 1960, p 81.

JPRS 5262

Measures for Solving the Transportation Tasks  
of the Seven-Year Plan, 46 pp.

GERMAN, per, Fahrt Frei, Vol XII, No 2,  
Berlin, 24 May 1960, pp 1-16.

JPRS 5262

The Tasks of the VVB Optics in the 1960 Plan  
Year, by H. Strampfer, 5 pp.

GERMAN, per, Feingeraetetechnik, Vol IX, No 1,  
Berlin, 1960, pp 2, 3.

JPRS 5262

Tasks of the Mechanics Industrial Branch in  
the Second Year of the Seven-Year Plan, by  
H. Scholtz, 4 pp.

GERMAN, per, Feingeraetetechnik, Vol IX, No 1,  
Berlin, 1960, pp 3, 4.

JPRS 5262

Development of Measuring, Control, and Regulation  
Technology, by K. H. Trautmann, 3 pp.

GERMAN, per, Feingeraetetechnik, Vol IX, No 1,  
Berlin, 1960, p 5.

JPRS 5262

Per-Capita Production of Precision Machinery  
in Both German States, by H. Schulze-Manitius,  
5 pp.

GERMAN, per, Feingeraetetechnik, Vol IX, No 1,  
Berlin, 1960, pp 37, 38.

JPRS 5262

**Eastern Europe**  
**Economic (Contd)**

Europe Facing New Packaging Problems, 3 pp.  
GERMAN, per, Handelsblatt, 27 Apr 1960.

ACSI E-6520  
ID 2146519

Storage Experiments With Packaged Provisions.  
The Packaging of Raw Pork and Beef, by L.  
Telegdy Kovats, E. Szilas, Gy. Szijjarto,  
19 pp.

GERMAN, per, Die Nahrung Chemie, Physiologie,  
Technologie, No 9/10, 1959, pp 909-921.

ACSI H-6363  
ID 2144876

Tasks of the East German Mining and Metallurgical  
Industry in the Realization of the Seven-Year  
Plan, by Kurt Gregor, 6 pp.

GERMAN, per, Neue Huette, Vol V, No 1, Berlin,  
1960, pp 3-5.

JPRS 5262

The Demands of the Chemical Industry Program  
on the East German Mining and Metallurgical  
Industry, by Wolfgang Schirmer, 17 pp.

GERMAN, per, Neue Huette, Vol V, No 1, Berlin,  
1960, pp 6-11.

JPRS 5262

The Production of Smelter-Slag Pumice in East  
Germany, by Kurt Saeuberlich, Joachim Guenther,  
Walter Koch, 5 pp.

GERMAN, per, Neue Huette, Vol V, No 1, Berlin,  
1960, pp 18-20.

JPRS 5262

Economic Conference of the Pig Iron Production  
Research Institute in Unterwellenborn, by B.  
Knorn, 8 pp.

GERMAN, per, Neue Huette, Vol V, No 1, Berlin,  
1960, pp 39-41.

JPRS 5262

Mutual Relations Between Foreign Trade and  
Industry in East Germany, by Hellmut Wagner,  
(NY-4672).

GERMAN, per, Recht im Aussenhandle (Enclosure  
to Der Aussenhandle), No 5, 1960, pp 1-5.

\*JPRS

Standardization - The Main Point of Emphasis  
of Reconstruction, by Manfred Schelzel, 9 pp.

GERMAN, per, Schiffbautechnik, Vol IX, No 11,  
Berlin, 1959, pp 573-575.

JPRS 2836

Eastern Europe  
Economic (Cont)

Socialist Reconstruction in the "Neptun"  
Shipyard, Rostock, by Otto Matschos, 7 pp.  
GERMAN, per, Schiffbautechnik, Vol IX, No 11,  
Berlin, 1959, pp 575, 577.

JPRS 2886

Development, Status, and Prospects of the  
VEB "Ernst Thaelmann" Heavy Machine Building  
Works, by F. Wendt, 8 pp.  
GERMAN, per, Die Technik, Vol XIV, No 11,  
Berlin, 1959, pp 733-737.

JPRS 2886

Future Tasks of the East German Machine  
Building Industry, by A. Wunderlich, (NY-4674).  
GERMAN, per, Technische Gemeinschaft, Vol VIII,  
No 4, 1960, pp 121-127.

\*JPRS

Increased Import of Consumer Goods in 1960,  
by Janos Follinus, 5 pp.  
HUNGARIAN, per, Figyelo, Vol IV, No 1, Budapest,  
5 Jan 1960, p 1.

JPRS 5102

Concentration and Establishment of Combines in  
the Food Industry, by Gyorgy Gero, 17 pp.  
HUNGARIAN, per, Ipargazdasag, Vol XII, No 2,  
Budapest, 1960, pp 6-11.

JPRS 5102

Hungarian Beer Production and the Status of  
the Brewing Industry, by Geyza Babos, 12 pp.  
HUNGARIAN, per, Ipargazdasag, Vol XII, No 2,  
Budapest, 1960, pp 36-39.

JPRS 5102

Technical Tasks in the Development of Para-  
chutes, by Kerekes P'al, 10 pp.  
HUNGARIAN, per, Jarmuvek Mezogazdasagi Gepek,  
No 1, 1960, pp 25-29.

ACSI H-6556  
ID 2144879

Some Problems of Commodity Supply and Retail  
Trade During the Second Five-Year Plan, by  
Josef Sos, 24 pp.  
HUNGARIAN, per, Kozgazdasagi Szemle, Vol VII,  
No 1, Budapest, 1960, pp 34, 50.

JPRS 5102

Some Problems of the Management of Fixed  
Assets, by Laszlo Galla, 20 pp.  
HUNGARIAN, per, Kozgazdasagi Szemle, Vol VII,  
No 2, Budapest, 1960, pp 136-148.

JPRS 5102

Eastern Europe  
Economic (Contd)

The Compilation and Utilization of the First Hungarian Input-Output Table, by Otto Lukacs, 13 pp.

HUNGARIAN, per, Kozgazdasagi Szemle, Vol VII, No 2, Budapest, 1960, pp 168-175.

JPRS 5102

Longe-Range Planning of Food Consumption, by Denes Kovacs, 22 pp.

HUNGARIAN, per, Kozgazdasagi Szemle, Vol VII, No 2, Budapest, 1960, pp 194-208.

JPRS 5102

The Development of Motor Vehicle Transportation in Hungary, by Bela Ivocs, 19 pp.

HUNGARIAN, per, Kozlekedestudomanyi Szemle, Vol X, No 1, Budapest, 1960, pp 1-7.

JPRS 5033

The Development of the Hungarian Road System, by Janos Molnar, 28 pp.

HUNGARIAN, per, Kozlekedestudomanyi Szemle, Vol X, No 1, Budapest, 1960, pp 8-17.

JPRS 5033

Tasks Pertaining to the Development of Hungarian Navigation, by Jozsef Belay, 18 pp.

HUNGARIAN, per, Kozlekedestudomanyi Szemle, Vol X, No 2, Budapest, 1960, pp 53-59.

JPRS 5137

Development of Hungarian Air Transport, by Rudolf Ronai, 32 pp.

HUNGARIAN, per, Kozlekedestudomanyi Szemle, Vol X, No 2, Budapest, 1960, pp 60-73.

JPRS 5137

The 1959 Air-Raid Shelter Plan Competition in Hungary, by Gabor Schery, 17 pp.

HUNGARIAN, per, Magyar Epitoipar, No 3, Budapest, 1960, pp 101-106.

JPRS 5225

The Development of Savings Banks in the Rumanian People's Republic, by M. Vieru, (NY-4592).

HUNGARIAN, per, Penzugy es Szamvitel, Vol IV, No 5, 1960, pp 179-182.

\*JPRS

Eastern Europe  
Economic (Contd)

The Supply and Demand for Wall Materials in 1960, by Jan Borowski, 16 pp.

POLISH, per, Biuletyn Instytut Budownictwa Mieszkaniowego, Vol X, No 10, Warsaw, 1959, pp 1-5.

JPRS 2985

The Main Combustion Marine Engines, Types RD, by Josef Kryszewski, Andrej Presz, 19 pp.

POLISH, per, Budownictwo Okretowe, Vol V, No 1, Warsaw, 1960, pp 8-13.

JPRS 2985

Conversion of the S. S. Pulaski Into a Fishing Mother Ship, by Tadeusz Buczkowski, 5 pp.

POLISH, per, Budownictwo Okretowe, Vol V, No 1, Warsaw, 1960, pp 24, 25.

JPRS 2985

Fuel and Power Inputs in the Construction Materials Industry, by Konrad Rey, 29 pp.

POLISH, per, Cement, Wapno, Gips, Vol XV/XXV, No 2, Warsaw, 1960, pp 37-39.

JPRS 5261

1960, Chemical Industry Plan, by Mieczyslaw Haber, (NY-4646).

POLISH, per, Chemik, Vol XIII, No 4, 1960, pp 167-170.

\*JPRS

Disclosure of Production Reserves for Proper Investments, by Jerzy Lasocki, 20 pp.

POLISH, per, Finanse, Vol X, No 11, Warsaw, 1959, pp 20-31.

JPRS 5101

Proposed Principles for Multi-Year Financial Plans of Enterprises, by Tadeusz Kierczyński, 8 pp.

POLISH, per, Finanse, Vol X, No 12, Warsaw, 1959, pp 1-6.

JPRS 5101

Reform of Amortization System, by Zygmunt Witkowski, 11 pp.

POLISH, per, Finanse, Vol X, No 12, Warsaw, 1959, pp 15-21.

JPRS 5101

Eastern Europe  
Economic (Contd)

More on Inventory of Fixed Assets, by Aleksander Paszynski, 9 pp.

POLISH, per, Finanse, Vol X, No 12, Warsaw, 1959, pp 22-27.

JPRS 5101

Basic Employment Problems in 1960, by Michal Charkiewicz, 12 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 1, Warsaw, 1960, pp 8-11.

JPRS 5261

Determining the Economic Effectiveness of Investments in Stages, by Zygmunt Knyziak, Mieczyslaw Rakowski, 9 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 1, Warsaw, 1960, pp 19-21.

JPRS 5261

Effective Exchange Rates of Exports and Their Application in a Study of the Effectiveness of Foreign Trade, by Bronislaw Wojciechowski, 15 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 1, Warsaw, 1960, pp 22-26.

JPRS 5261

Research Methods on the Effectiveness of Foreign Trade, by Bronislaw Najnigier, 26 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 1, Warsaw, 1960, pp 27-36.

JPRS 5261

Capital Absorption of Exports, by Pawel Glikman, 18 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 1, Warsaw, 1960, pp 36-42.

JPRS 5261

The Problem of Planning the Wage Fund, by Wieslaw Krencik, Stanislaw Spotan, (NY-4638).

POLISH, per, Gospodarka Planowa, Vol XV, No 5, Warsaw, 1960, pp 21-25.

\*JPRS

Wage System Should Stimulate Economy in the Use of Live Labor, Machines, and Materials, by Henryk Krol, (NY-4638).

POLISH, per, Gospodarka Planowa, Vol XV, No 5, Warsaw, 1960, pp 26-29.

\*JPRS



Eastern Europe  
Economic (Contd)

Rate of Industrial Development in Poland  
as Compared With Other Socialist Countries,  
by Tadeusz Gradowski, (NY-4638).  
POLISH, per, Gospodarka Planowa, Vol XV,  
No 5, Warsaw, 1960, pp 30-34.

\*JPRS

CEMA's Production Plan for Plastics for  
Construction for 1960-1965, by Miron Pomianowski,  
(NY-4638).

POLISH, per, Gospodarka Planowa, Vol XV, No 5,  
Warsaw, 1960, pp 49-52.

\*JPRS

Review of the Economic Situation in Poland  
in 1959, (NY-4638).

POLISH, per, Gospodarka Planowa, Vol XV,  
No 5, Warsaw, 1960, pp 53-57.

\*JPRS

From Everywhere in Brief: From Poland, 2 pp.  
POLISH, np, Lacznosc, No 1, 1960, p 3.

USASIA H-6822b

Telecommunications in Lower Silesia Keep  
Pace With Developments in Western Terri-  
tories, 3 pp.

POLISH, np, Lacznosc, No 13, 27 Mar 1960,  
p 1.

USASIA H-6828a

New Prospects for Regional Planning, by Jozef  
Zaremba, 17 pp.

POLISH, per, Miasto, Vol X, No 12, Warsaw,  
1959, pp 1-7.

JPRS 2986

Coordination of Plans for Development of  
Areas on the Czechoslovak-Polish Border, by  
Jozef Zaremba, 16 pp.

POLISH, per, Miasto, Vol XI, No 4, Warsaw,  
1960, pp 10-13.

JPRS 5103

Water Supply for the Population of Slovakia,  
by Ryszard Zygal, 7 pp.

POLISH, per, Miasto, Vol XI, No 4, Warsaw,  
1960, pp 37, 38.

JPRS 5103

Fulfillment of Construction Tasks in 1959  
and in 1960 Plan, by Jerzy Majewski, Robert  
Marowski, (NY-4628).

POLISH, per, Miasto, Vol XI, No 5, Warsaw,  
1960, pp 24-28.

\*JPRS

**Eastern Europe  
Economic (Contd)**

Resolution of the Polish Sejm on the National Economic Plan for 1960, 81 pp.

POLISH, per, Monitor Polski, No 104, 31 Dec 1959, pp 902-927..

JPRS 5051

Technical Progress in Petroleum Industry, by Kazimierz Mischke, (NY-4640).

POLISH, per, Nafta, Vol XVI, No 5, 1960, pp 117-121.

\*JPRS

Five-Year Plan for Petroleum Industry, by Kazimierz Jeydrych, (NY-4640).

POLISH, per, Nafta, Vol XVI, No 5, 1960, pp 128-133.

\*JPRS

Basic Principles of Investment Policy, by Kazimierz Secomski, (NY-4626).

POLISH, per, Nowe Drogi, Vol XIV, No 6, 1960, pp 11-21.

\*JPRS

Economic Cooperation Between Poland and Socialist Countries and Prospects for Its Further Development, by Maciej Deniszczuk, Leslaw Skibinski, (NY-4626).

POLISH, per, Nowe Drogi, Vol XIV, No 6, 1960, pp 65-79.

\*JPRS

Communications of the Polish Committee on Automation, 9 pp.

POLISH, per, Pomiary, Automatyka, Kontrola, Vol V, No 11/12, Warsaw, 1959, pp 462-464.

JPRS 5138

Communications of the Metrology and Precision Mechanics Section of the SIMP, 4 pp.

POLISH, per, Pomiary, Automatyka, Kontrola, Vol V, No 11/12, Warsaw, 1959, pp 464, 465.

JPRS 5138

Transportation Investment Plan for 1960, by Aleksander Nowakowski, Mieczyslaw Partyka, 8 pp.

POLISH, per, Przegląd Kolejowy, Vol XII, No 2, 1960, pp 44-47.

JPRS 5101

Eastern Europe  
Economic (Contd)

Electric Traction in 1959 and 1960, by  
Zygmunt Manko, (NY-4630).  
POLISH, per, Przegląd Kolejowy Elektro-  
techniczny, Vol XII, No 6, 1960, pp 162-167.

\*JPRS

Technical Improvement Plans of the PKP  
Traction Service, by Wacław Młodecki, 16 pp.  
POLISH, per, Przegląd Kolejowy-Mechaniczny,  
Vol XII, No 2, Warsaw, 1960, pp 33-38.

JPRS 5261

New Railroad Freight Rates, by R. Ochman,  
(NY-4627).  
POLISH, per, Przegląd Kolejowy Przewozowy,  
Vol XII, No 6, 1960, pp 144-147.

\*JPRS

Long-Range Plans Concerning the Modernization  
of the Paper Industry, by Josef Gajewski,  
Mieczysław Pachociński, 16 pp.  
POLISH, per, Przegląd Papierniczy, No 11/12,  
Łódź, 1959, pp 342-345.

JPRS 2985

The Most Efficient Use of Raw Materials in  
the Cellulose-Paper Industry, by Teresa  
Górska, 12 pp.  
POLISH, per, Przegląd Papierniczy, No 11/12,  
Łódź, 1959, pp 354-357.

JPRS 2985

Methods of Planning Crops in Agriculture, by  
Stanisław Wacławowicz, 13 pp.  
POLISH, per, Przegląd Statystyczny, Vol VIII,  
No 1, Warsaw, 1960, pp 105-115.

JPRS 5138

Production of Ships, by Stanisław Nowicki,  
(NY-4679).  
POLISH, per, Przegląd Techniczny, Vol LXXXI,  
No 19, 1960, pp 24-26.

\*JPRS

Eastern Europe  
Economic (Contd)

New Types of Construction and Road Machinery,  
by Stefan Oldakowski, (NY-4670).  
POLISH, per, Przegląd Techniczny, Vol LXXXI,  
Sp. Issue III, May 1960, pp 68-71.

\*JPRS

Electrical Equipment Exhibited at Twenty-Ninth  
Poznan Fair, by Jerzy Budynski, Kazimierz  
Sokalski, (NY-4670).  
POLISH, per, Przegląd Techniczny, Vol LXXXII,  
Sp. Issue III, May 1960, pp 96-100.

\*JPRS

Textile Institute, by Edward Pieczora, 13 pp.  
POLISH, per, Przegląd Włókienniczy, May/Jun  
1958, pp 298-301.

ACSI H-6069  
ID 2144845

Chemical Industry Development in 1961-1965,  
by Michal Niesiolowski, (NY-4633).  
POLISH, per, Przemysł Chemiczny, Vol XXXIX,  
No 5, 1960, pp 261-265.

\*JPRS

Concerning the Meat Situation in Poland, 7 pp.  
POLISH, per, Przemysł Spożywczy, No 11/12,  
Warsaw, 1959, pp 483-487.

JPRS 2986

Effectiveness of Investments in the State  
Food Industry, by Edward Rybarczyk, 25 pp.  
POLISH, per, Przemysł Spożywczy, No 11/12,  
Warsaw, 1959, pp 488-498.

JPRS 2986

Perspectives of Development of the Egg and  
Poultry Industry in the Second Five-Year  
Plan, by Jerzy Szeliga, 8 pp.  
POLISH, per, Przemysł Spożywczy, No 11/12,  
Warsaw, 1959, pp 519-524.

JPRS 2986

Production and Development of Construction  
and Road-Building Machinery in Poland, by  
A. Wislicki, 9 pp.  
POLISH, per, Stroitel'noye i Dorozhnoye  
Mashinostroyeniye, Vol V, No 1, 1960,  
pp 9-14.

JPRS 2985

Eastern Europe  
Economic (Contd)

The Polish Merchant Fleet in 1959, 5 pp.  
POLISH, per, Technika i Gospodarka Moraka,  
Vol X, No 2, Gdynia, 1960, pp 54, 55.

JPRS 5261

Polish Ports in 1959, 8 pp.  
POLISH, per, Technika i Gospodarka Moraka,  
Vol X, No 2, Gdynia, 1960, pp 56, 57.

JPRS 5261

Use of Technical Innovations in the Manu-  
facture of Armament for the Infantsist, 9 pp.  
POLISH, per, Technika Wojskowa.

ACSI H-6408  
ID 2146516

Polish Ship Chartering, 4 pp.  
POLISH, per, Tygodnik Morski, Vol II,  
No 50 (75), Gdynia, 13 Dec 1959, p 5.

JPRS 2886

Investments by the Ministry of Navigation,  
4 pp.  
POLISH, per, Tygodnik Morski, Vol II,  
No 50 (75), Gdynia, 13 Dec 1959, p 8.

JPRS 2886

A New Domestically Produced Automatic Switch,  
by Tadeusz Iwanowski, 3 pp.  
POLISH, per, Wiadomosci Elektrotechniczne,  
Vol XX, No 1, Warsaw, 1960, pp 13-15.

JPRS 2986

Domestically Produced Condensers for Raising  
the Power Coefficient, by Marian Urbaniec,  
3 pp.  
POLISH, per, Wiadomosci Elektrotechniczne,  
Vol XX, No 1, Warsaw, 1960, pp 15, 16.

JPRS 2986

Tenth Anniversary of "Lenin" Metallurgical  
Plant, by Stanislaw Ruranski, (NY-4697).  
POLISH, per, Wiadomosci Hutnicze, Vol XVI,  
No 5, 1960, pp 133-137.

\*JPRS

Extract From the Decision of the Council of  
Ministers of the Reorganization of Automotive  
Passenger and Goods Transportation, 3 pp.  
RUMANIAN, pamphlet, Colectia de Hotariri si  
Dispozitii ale Consiliului de Ministri al  
RPR, No 8, Bucharest, 8 Mar 1960, pp 105-108.

JPRS 3668

Eastern Europe  
Economic (Contd)

Extract From the Decision of the Council of  
Ministers of the Establishment of Domestic  
Air Transportation Rates, 4 pp.  
RUMANIAN, pamphlet, Colectia de Hotariri si  
Dispozitii ale Consiliului de Ministri al  
RPR, No 20, Bucharest, 6 Jun 1960, pp 533-539.

JPRS 3667

Electrification of Rumania, by N. Gheorghiu,  
17 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 81-101.

JPRS 3626

Development of the Coal Industry, by E.  
Matyas, I. Desmireanu, 18 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 101-127.

JPRS 3626

Development of the Petroleum Industry, by I.  
Dumitru, C. Stefan, 8 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 127-150.

JPRS 3626

Development of the Iron and Steel Industry,  
by Carol Loncear, M. Resiga, 13 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 151-181.

JPRS 3626

The Machine Building and Metal Processing  
Industry, by Carol Loncear, I. Desmireanu,  
26 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 183-218.

JPRS 3626

Development of the Chemical Industry, by I.  
Velea, P. Jica, 14 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 219-242.

JPRS 3626

Development of the Wood Industry, by M. Suder,  
7 pp.  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 243-256.

JPRS 3626

Eastern Europe  
Economic (Contd)

Development of Construction and of the  
Building Materials Industry, by Emanoil  
Florescu, Andrei Andrei, 12 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 257-279.

JPRS 3626

Development of Light Industry, by I. Rusanovschi,  
16 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 281-307.

JPRS 3626

Development of the Rumanian Food Industry,  
by C. Teodoru, 16 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 309-328.

JPRS 3626

Development of Rumanian Local State Industry  
and the Artisan Cooperative, by Nicolae Stern,  
12 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 329-345.

JPRS 3626

Creation and Development of the Technical-  
Material Base of Socialist Agriculture, by  
E. Alexe, V. V. Topor, 4 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 385-399.

JPRS 3626

Development of State Farms, by Bucur Schiopu,  
D. Dumitru, 5 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 401-417.

JPRS 3626

Creation and Development of the Cooperative  
Socialist Sector of Agriculture, by Gh.  
Dragomir, Nica Sabin, 5 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 419-442.

JPRS 3626

Growth of Agricultural Production, by Marin  
Stancu, Eugen Barat, 5 pp.  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 443-465.

JPRS 3626

Eastern Europe  
Economic (Contd)

Development of Forestry and the Forestry  
Exploitation Industry, by N. Celac, C.  
Iacobovici, 15 pp.

RUMANIAN, bk, Economia României Între Anii  
1944-1959, Bucharest, 1959, pp 467-484.

JPRS 3626

Development of Rumanian Transportation and  
Telecommunications, by C. Atanasiu, 10 pp.  
RUMANIAN, bk, Economia României Între Anii  
1944-1959, Bucharest, 1959, pp 485-503.

JPRS 3626

Development of Domestic Trade, by A. Sobaru,  
Iordache Ionescu, 11 pp.

RUMANIAN, bk, Economia României Între Anii  
1944-1959, Bucharest, 1959, pp 505-526.

JPRS 3626

Creation and Development of the Rumanian  
Financial and Socialist Credit System, by  
Radu Manescu, 9 pp.

RUMANIAN, bk, Economia României Între Anii  
1944-1959, Bucharest, 1959, pp 527-545.

JPRS 3626

Decision by the Council of Ministers Approving  
the Tariff for Vehicular Goods Transportation,  
(NY-4629).

RUMANIAN, per, Colectie de Legi, Decrete,  
Hotariri, si Dispozitii, No 1, 1960, pp 56-78.

\*JPRS

Investments to Develop the Silicates Industry,  
by Stefan Cremene, 5 pp.

RUMANIAN, np, Constructorul, Bucharest, 6 Feb  
1960, p 2.

JPRS 2985

2100 HP Diesel Electric Co-Co Locomotives for  
the Rumanian State Railways.

RUMANIAN, per, Eisenbahn Technische Rundschau,  
No 2, 1960, pp 64-69.

ACSI H-6516  
ID 2146512

Moscow Conference of Bloc Bank Heads, 16 pp.

RUMANIAN, per, Finante si Credit, Vol V,  
No 12, Bucharest, 1959, pp 11-21.

JPRS 5138

Reduction of Cost Price in Housing Construction,  
by T. Horvath, 13 pp.

RUMANIAN, per, Finante si Credit, Vol V, No 12,  
Bucharest, 1959, pp 22-31.

JPRS 5138



Eastern Europe  
Economic (Contd)

- Improving Control of the Execution of Local Budgets, by M. Konig, (NY-4676).  
RUMANIAN, per, Finante si Credit, Vol VI, No 5, 1960, pp 12-22. \*JPRS
- Aspects of Rumania's International Settlement of Accounts, by P. Gorenuc, (NY-4676).  
RUMANIAN, per, Finante si Credit, Vol VI, No 5, 1960, pp 24-34. \*JPRS
- Achievements in the Lumber Industry, 4 pp.  
RUMANIAN, per, Industria Lemnului, Vol XI, No 1, Bucharest, 1960, pp 1-3. JPRS 5101
- Achievement and Plans of the Textile Industry in 1959 and 1960, by I. Moldovan, 7 pp.  
RUMANIAN, per, Industria Textila, Vol XI, No 1, Bucharest, 1960, pp 1, 2. JPRS 5138
- Plans for Light Industry in 1960, 4 pp.  
RUMANIAN, per, Industria Usoara, Vol VII, No 1, Bucharest, 1960, pp 2, 3. JPRS 2985
- Tanning of Soles, by Mircea Popescu, 4 pp.  
RUMANIAN, per, Industria Usoara, Vol VII, No 1, Bucharest, 1960, pp 4-7. JPRS 2985
- Economic and Geographic Aspects of the Danube Delta, by Ioan Popovici, 14 pp.  
RUMANIAN, per, Natura, Vol XI, No 6, Nov/Dec 1959, pp 23-25, 27-34. JPRS 2985
- New Drilling Equipment, by M. Constantinescu, 7 pp.  
RUMANIAN, per, Petrol si Gaze, Vol X, No 12, Bucharest, 1959, pp 529-532. JPRS 5101
- Corn for Ensilage, by N. Giosan, (NY-4675).  
RUMANIAN, per, Probleme Agricole, Vol XII, No 4, 1960, pp 11-16. \*JPRS

Eastern Europe  
Economic (Contd)

Saving of Raw Material to Reduce Cost Prices  
in the Lumber Industry, by C. Emanoil, S.  
Banu, 19 pp.

RUMANIAN, per, Probleme Economice, Vol XIII,  
No 1, Bucharest, 1960, pp 18-33.

JPRS 5101

Forestry Plan for 1960, by L. Negrea, 4 pp.  
RUMANIAN, per, Revista Padurilor, Vol LXXV,  
No 1, Bucharest, 1960, pp 1-3.

JPRS 5138

Role and Method of Calculating Prices of  
Standing Timber, by V. Giurgiu, 4 pp.  
RUMANIAN, per, Revista Padurilor, Vol LXXV,  
No 1, Bucharest, 1960, pp 7-9.

JPRS 5138

Activity of the Lumber Basin of the Port of  
Galati, by D. Zvoranu, 10 pp.  
RUMANIAN, per, Revista Transporturilor, Vol VII,  
No 1, Bucharest, 1960, pp 38-41.

JPRS 5101

Ice on the Rumanian Black Sea Coast, by M.  
Semenescu, (NY-4645).  
RUMANIAN, per, Revista Transporturilor,  
Vol VII, No 4, 1960, pp 155-163.

\*JPRS

Ten Years of Development of "Radio Popular"  
Plant, by Teodor Abrihan, 3 pp.  
RUMANIAN, per, Telecomunicatii, Vol III,  
No 6, Bucharest, Nov/Dec 1959, p 241.

JPRS 5138

Technical Development and Main Products of  
"Radio Popular" Plant, by Felician Dumitru,  
26 pp.  
RUMANIAN, per, Telecomunicatii, Vol III,  
No 6, Bucharest, Nov/Dec 1959, pp 242-250.

JPRS 5138

Economic Cooperation and Mutual Assistance  
of the Socialist Camp Countries, by S. D.  
Sergeyev, (SF-1057).  
RUSSIAN, bk, Ekonomicheskoye Sotrudnichestvo  
i Vzaipomoshch Stran Sotsialisticheskogo  
Lagerya, 1959, pp 107-154.

\*JPRS

Eastern Europe  
Economic (Contd)

Some Results of Wage Regulation in Industry  
in the Rumanian Peoples Republic, (NY-4681).  
RUSSIAN, per, Byul Nauch Informatsii: Trud  
i Zarabotnaya Plata, No 1, 1960, pp 60-63.

\*JPRS

Formation of a Bonus Fund in Enterprises of  
the German Democratic Republic, by G. Shyutte,  
(NY-4681).

RUSSIAN, per, Byul Nauch Informatsii: Trud  
i Zarabotnaya Plata, No 2, 1960, pp 46-49.

\*JPRS

State Social Insurance in the Albanian People's  
Republic, by V. Filippova, (NY-4681).

RUSSIAN, per, Byul Nauch Informatsii: Trud  
i Zarabotnaya Plata, No 2, 1960, pp 51-54.

\*JPRS

Production of Machine Tools in Poland, by I. I.  
Beregovskiy, 11 pp.

RUSSIAN, per, Byul' Tekh-Ekon Informatsii,  
Vol XIII, No 3, 1960, pp 72-76.

JPRS 5103

Polish Industrial Exhibition in Moscow, by  
M. Mazok, 5 pp.

RUSSIAN, per, Mashinostroitel', No 1, 1960,  
pp 40, 41.

JPRS 5138

Some Results of the Operation of the Ministry  
of Labor in the Hungarian People's Republic,  
by Eden Kishkhazi, (NY-4681).

RUSSIAN, per, Sotsialisticheskiy Trud, No 4,  
1960, pp 43-50.

\*JPRS

Characteristic of the Law on the Method for  
Financing Scientific Establishments, by  
B. S. (DC-4293).

SERBO-CROATIAN, per, Finansije, No 5, 1960,  
pp 255, 256.

\*JPRS

The Federal Fund for Scientific Work, (DC-4293).

SERBO-CROATIAN, per, Finansije, No 5, 1960,  
pp 256-259.

\*JPRS

Some Possibilities for the Further Improvement  
of Credit Planning, by Jan Petrenka, 5 pp.

SLOVAK, per, Finance a Uver, No 1, Prague, 1960,  
pp 48-50.

JPRS 5052

Some Problems of Broader Cooperation of the  
State Bank With Foreign Trade, by Ludovit  
Kovacik, (NY-4647).

SLOVAK, per, Finance a Uver, No 6, 1960,  
pp 344-347.

\*JPRS

Eastern Europe  
Political

Decentralization of Internal Security Functions,  
4 pp.

BULGARIAN, rpt, 15 Mar 1960.

ID 2141531

May Day Proclamations, 3 pp.

CROATIAN, np, Borba, 1 May 1960.

ID 2143255

Workers Self-Management and Division of Labor  
in Yugoslavia, by Stane Kavcic (DC-4346).

CROATIAN, per, Nasa Stvarnost, Vol XIV,  
No 6, 1960, pp 655-666.

\*JPRS

Council of Producers in the Commune in  
Yugoslavia, by Stanko Grozdanic, (DC-4346).

CROATIAN, per, Nasa Stvarnost, Vol XIV,  
No 6, 1960, pp 679-699.

\*JPRS

The Advanced Administrative School for Internal  
Affairs, by Veselin Bulatovic, (DC-4217).

CROATIAN, per, Nova Administracija, No 5,  
1960, pp 462-466.

\*JPRS

Socialism Has Achieved a Definitive Victory in  
Our Fatherland, 16 pp.

CZECH, per, Nova Mysl, No 7, 1960, pp 689-700.

JPRS 3737

Development of Slovakia in Socialist Czecho-  
slavia, 11 pp.

CZECH, per, Nova Mysl, No 7, 1960, pp 745-752.

JPRS 3738

A Contribution to the History of the Partisan  
Movement in Slovakia, by Jiri Dolezel, 8 pp.

CZECH, per, Nova Mysl, No 7, 1960, pp 792-796.

JPRS 3739

A Critique of the Ethical Revisionism of Agnes  
Heller, by Maria Makai, Tamas Foldesi, 87 pp.

HUNGARIAN, per, Magyar Filozofiai Szemle,  
No 1, 1960, pp 33-39.

JPRS 3740

Nonpolitical Activities of the Air Force  
Political Officer, 4 pp.

POLISH, per, Wojskowy Przegląd Lotniczy,  
No 8, 1959, pp 3-12.

AF 1419584

Eastern Europe  
Military

Why Does the Party Bureau Hurry?, by  
Podpolkovnik G. Dzhodzov, 3 pp.  
BULGARIAN, per, Narodna Armiya, Vol XVI,  
No 3606, Sofia, 27 Apr 1960, p 3.

JPRS 3588

Handbook for Recruits, 12 pp.  
CZECH, hdbk, Prirucka pro Brance, Chap VIII,  
pp 119-123. Chap XI, pp 182-186, 30 Sep 1959.

ID 2146514  
ACSI H-6388

Czechoslovak Ministry of Interior Decree on  
Assuring the Readiness of Fire-Fighting Equip-  
ment, (DC-4226).

CZECH, per, Sbirka Zakonu Republiky Ceskoslo-  
venske, No 26, 1960, pp 181-184.

\*JPRS

Military Administration School, 7 pp.  
FRENCH, per, Forces Francaises, No 11, 1960,  
pp 24-28.

ID 2144871  
ACSI H-6503

Basic Uniform Manual, by Major Walter von  
Kemphen, 89 pp.  
GERMAN, bk, Uniform-Fibel, 1960.

ID 2147192  
ACSI H-6327

The Problem of Equipping Our Army With Atomic  
Weapons.

GERMAN, per, Armee Wirtschaft, p 4.

ID 2147195  
ACSI H-6531 a

Procurement of Food Supplies for Troops in  
Garrison, 11 pp.  
GERMAN, per, Bundes-Wehr-Verwaltung, Vol III,  
No 12, Dec 1959, pp 364-367.

ID 2146510  
ACSI H-6507

Technology and Science in the Service of National  
Defense.

GERMAN, per, Schweizerische Handelsleitung,  
12 Nov 1959.

ID 2147195  
ACSI H-6531 b

Sport Parachute Jumping, 27 pp.  
GERMAN, per, Truppenpraxis, Vol XII, 1959,  
pp 936-939.

ID 2144870  
ACSI H-6396 a

Winter Training in the Bundeswehr, 7 pp.  
GERMAN, per, Truppenpraxis, Vol XII, 1959,  
pp 951-957.

ID 2144870  
ACSI H-6396 b

Eastern Europe  
Military (Contd)

The Ski, 16 pp.

GERMAN, per, Truppenpraxis, Vol XII,  
1959, pp 957, 958.

ID 2144870  
ACSI H-6396 c

Most Important Problems of Supplying  
Water During Summer Training Period in  
Hungary, by Gyorgy Biro, (DC-4300).  
HUNGARIAN, per, Honvedorvos, Vol XII,  
No 2, 1960, pp 127-130.

\*JPRS

Training in Loyalty to the Military Profession  
in the Officers' Schools of the Service Branches,  
by Lahos Bartha, (DC-4225).  
HUNGARIAN, per, Pedagogiai Szemle, Vol X, No 5,  
1960, pp 449-458.

\*JPRS

Fire-Fighting Organization in Czechoslovakia,  
by Roman Darczewski, (DC-4301).  
POLISH, per, Przegląd Pozarniczy, Vol XXXVIII,  
No 6, 1960, pp 13-16.

\*JPRS

1000 Jumps of Szwedzink, 13 pp.  
POLISH, np, Skrzydłata Polska, No 31, 29 Jul  
1959.

ID 2146521  
ACSI H-6535

Diamond Formation Not Suitable for Combat  
Purposes, 5 pp.  
POLISH, per, Wojskowy Przegląd Lotniczy, No 1,  
1960, pp 3-8.

AF 1419568

First Encounter, by J. Adrian.  
POLISH, per Zolnierz Polski, No 8 (613), 1960.

ID 2145025  
ACSI H-6525

The T-34 Against Tigers, 7 pp.  
POLISH, per, Zolnierz Polski, No 9 (614),  
25 Feb/2 Mar 1960, pp 9-12.

ID 2144872  
ACSI H-6772

Yugoslavia Maritime Yearbook, 75 pp.  
SERBIAN, bk, Godisnjak Pomorstva i Reknog  
Saobracaja Godina, 1955, pp 611-619, 623-626,  
629-642, 667-687, 719-721.

ID 2146540  
ACSI H-6909

Eastern Europe  
Military (Contd)

Treatment of Wounded in Inhabited Places -  
Accommodation and Treatment, by Dr. A.  
Mezie.

SERBIAN, per, Vojnosanitetski Pregled, Vol  
XV, No 3, 1958, pp 202-208.

ACSI H-6357  
ID 2146496

Management of Wounded in Inhabited Places,  
by Dr. A. Mezie, 14 pp.

SERBIAN, per, Vojnosanitetski Pregled, Vol  
XV, No 6, 1958, pp 461-466.

ACSI H-6369  
ID 2146511

Management of Casualties in Inhabited  
Places - Problems of Organization, by Dr A.  
Mezie, 16 pp.

SERBIAN, per, Vojnosanitetski Pregled, Vol XV,  
No 7-8, 1958, pp 563-567.

ACSI H-6370  
ID 2146535

Sorting Out on the Site of Accident - Sorting  
Out by Medical Aid Personnel in Modern War-  
fare, by Dr A. Mezie, 10 pp.

SERBIAN, per, Vojnosanitetski Pregled, Vol  
XV No 12, 1958, pp 915-918.

ACSI H-6354

Problems of Surgical Service in Modern Warfare,  
by Maj Gen Dr I. Papo, 48 pp.

SERBIAN, per, Vojnosanitetski Pregled, Vol XVI,  
No 7-8, 1959, pp 605-618.

ACSI H-6365  
ID 2146534

Eastern Europe  
Geographic

Nautical Geography, by Klišent  
Velkoborsky, Josef Cerny, Stanislav  
Jahn, 11 pp.  
CZECH, bk, Plavební Zemepis, pp 118, 119,  
120.

ACSI H-6501  
ID 2146503

New Administrative-Territorial Organization  
in Czechoslovakia, 6 pp.  
CZECH, mp, Rude Pravo, 16 Jan 1960, pp 1, 2.

AF 1419581

Directive No 304/1960 of the President of the  
State Surveying and Cartographical Office on  
Reporting Cartographic and Geodetic Work,  
(NY-4671).  
HUNGARIAN, per, Geodezia es Kartografia, Vol  
XII, No 2, 1960, pp 149-152.

\*JPRS

Selected Translations From "Geographic  
Monograph, Volume I: Physical Geography,"  
(DC-4294).  
RUMANIAN, bk, Monografia Geografica, I  
Geografia Fizica, Vol I, 1960, pp 40-111,  
147-724.

\*JPRS

Sociological

The Legal Status of the Members of a  
Cooperative Farm Household in Bulgaria, by  
Vitali E. Tadzhher, 17 pp.  
BULGARIAN, per, Pravna Misul, Vol IV, No 1,  
Sofia, 1960, pp 24-39.

JPRS 3675

Notes on the Regulations Governing the Distri-  
bution and Assignment to Positions of the Junior  
Specialists Graduating From Higher Schools in  
Bulgaria, by Ivan Dermendzhiev, 9 pp.  
BULGARIAN, per, Pravna Misul, Vol IV, No 1,  
Sofia, 1960, pp 84-89.

JPRS 3675

Bulletin of the University of Belgrade, 72 pp.  
CROATIAN, per, Glasnik Univerziteta u Beogradu,  
Vol II, No 7, Belgrade, 1958, pp 175-178, 190,  
191.

JPRS 3486



Eastern Europe  
Sociological (Contd)

The Advanced Administrative School for  
Internal Affairs, by Veselin Bulatovich,  
6 pp.

CROATIAN, per, Nova Administracija, No 5,  
Belgrade, 1960, pp 462-466.

JPRS 3663

News Items From Institutions of Higher Learning,  
(DC-4304).

HUNGARIAN, per, Felsooktatasi Szemle, Vol IX,  
No 6, 1960, pp 418-422.

\*JPRS

Problems of Vocational Training in Tele-  
communications, by Stanislaw Kobus, 18 pp.  
POLISH, per, Przegląd Telekomunikacyjny,  
No 10-11, 1959, pp 307-310.

JPRS 5169

Decrees No 212, 213 "For the Modification of  
the Rumanian Penal Code," (DC-4307).

RUMANIAN, bulletin, Buletinul Oficial, Vol  
IX, No 8/9, Bucharest, 17, 18 Jun 1960,  
pp 47-53, 57-72.

\*JPRS

Communal Services in the Cities of Yugoslavia,  
by S. Rajkovic, 5 pp.

SERBIAN, np, Borba, Vol XXV, No 108, 8 May 1960,  
p 3.

JPRS 3675

An Analysis of Bed Space in Yugoslav General  
Hospitals, by Dr Petar Dujanovic, (DC-4227).

SERBIAN, per, Stosijalna i Zdravstvena Politika,  
Vol XIII, No 3-4, 1960, pp 9-21.

\*JPRS

NORTHERN EUROPE

Military

Personal Field Equipment - A New System,  
9 pp.

SWEDISH, per, Arme Nytt, No 4, 1959,  
pp 14-18.

ACSI H-6506  
ID 2146518

Exercise "Snowstorm VI," 30 pp.

SWEDISH, per, Norsk Intendantur-Tidskrift,  
No 3, 1959, pp 2-21.

ACSI H-6536  
ID 2146499

Utilization in the Armed Forces of the Technical  
Development of Science and the Food Industry,  
by Per Odensjo, 5 pp.

SWEDISH, per, Svensk Intendentur Tidskrift, No 8,  
1959.

ACSI H-6505  
ID 2146509

Tetra Pak in the Field, by Capt Per Skroder,  
4 pp.

SWEDISH, per, Svensk Intendentur Tidskrift,  
No 1, 1960, pp 16-23.

ACSI H-6510  
ID 2144878

The New Field Cooking Equipment in the Army,  
by Major Rickard Carlen, 4 pp.

SWEDISH, per, Svensk Intendentur Tidskrift,  
No 2, 1960, pp 63-68.

ACSI H-6511  
ID 2146517

The Air Force, by Bertil Westergard, Trygve  
Sjolin, 17 pp.

SWEDISH, per, Teknisk Tidskrift, Vol LXXVIII,  
No 15, Apr 1958, pp 382-388.

USASIA H-6741a

NEAR EAST/AFRICA

Economic

Organization of the Ministry of Public  
Works and Transportation, 35 pp.  
ARABIC, rpt, 16 Dec 1959.

ID 2144558

Air Transport Agreement Between Morocco and  
Portugal Signed at Rabat, 3 April 1960,  
8 pp.  
FRENCH, rpt, Encl to Desp No 556, AmEmbassy,  
Rabat, 20 Jun 1960.

Dept of State  
4605863

Study of Israeli Water Problems, by Aharon  
Wiener, 5 pp.  
HEBREW, per, Mada, Vol III, No 2, Apr 1959,  
pp 26-29.

JPRS 3648

Political

Organization of the Lebanese Internal Security  
Forces, 34 pp.  
ARABIC, rpt, 21 Apr 1960.

ID 2145748

The Truth About the Syrian-Lebanese Communist  
Party, 15 pp.  
ARABIC, pamphlet, pp 1-48.

JPRS 3646

Feudalism Will Be Successfully Uprooted  
Through Further Distribution of Lands to the  
Peasants, by Da'ud Sa'igh, 3 pp.  
ARABIC, np, al-Mabda', 28 May 1960, pp 1-4.

JPRS 3589

The Maintenance and Consolidation of Party Life  
is a Deeply Sincere Policy of Our Democratic  
Government, by Da'ud Sa'igh, 3 pp.  
ARABIC, np, al-Mabda', 31 May 1960, pp 1-4.

JPRS 3589

Kurdish Activities as Reflected in Organ of  
Democratic Party of Iraqi Kurdistan (Dpik),  
(DC-4313).  
ARABIC, np, Khehbat, 22 Jul-2 Aug 1960.

\*JPRS

Near East/Africa  
Political (Contd)

The Domestic and Foreign Policy of Iraq,  
by Chou Nan, 42 pp.  
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu,  
No 1, 3 May 1959, pp 19-31.

JPRS 5235

Israel Will Hang Eichmann, by Egon Vacek,  
(DC-4210).  
GERMAN, per, Stern, No 29, 1960, pp 36,  
38, 39.

\*JPRS

Turkey Following the Revolution, by  
M. Ploumidis, (DC-4271).  
GREEK, np, Eleftheria, 22, 24, 27 Jul  
1960, pp 1, 4; 1, 11; 1, 5.

\*JPRS

Interviews With Members of Turkey's National  
Unity Committee, by Nevat F. Baskut, Yasar  
Kemal, Ecvet Guresli, (DC-4274).  
TURKISH, np, Cumhuriyet, 16-25 Jul 1960,  
pp 2-5.

\*JPRS

Interviews With Members of Turkey's National  
Unity Committee, (DC-4274).  
TURKISH, np, Cumhuriyet, 26-31 Jul, 1-5 Aug  
1960.

\*JPRS .

Military

Medical Requirements for Entrance to UAR  
Military Academy, 8 pp.  
ARABIC, rpt, Appendix A, Apr 1960.

ID 2139510

Ration Scale Jordan Arab Army, 8 pp.  
ARABIC, rpt, Mokhassasat Al-Arzak al  
Ifradiyya.

ACSI H-6710 a  
ID 2147219

Clothing Scales Jordanian Army, 27 pp.  
ARABIC, rpt, Mokhassasat Al-Arzak al  
Ifradiyya.

ACSI H-6710 b  
ID 2147219

Near East/Africa  
Military (Contd)

Conscription for the Hellenic Armed Forces  
and Settlement of the Conscription Problems,  
46 pp.

GREEK, rpt, Oct 1958.

ID 2144441

Supply by Air, 13 pp.

GREEK, per, Epitheoresis Oplon Kai  
Somaton, No 1/3, 1960, pp 39-48.

ACSI H-6604

ID 2147200

Israel Medical Directory, 23 pp.

HEBREW, bk, 1959, pp 1-v, pp 300-310.

ACSI H-6698

ID 2128590

"Semitic Action" Leader Reviews the Military  
Doctrine, by Uri Avneri, 9 pp.

HEBREW, np, Etgar, Tel Aviv, Apr 1960,  
pp 11, 12.

JPRS 3760

General Staff Officers Discuss Military Train-  
ing, 5 pp.

HEBREW, np, Lamerhav, Tel Aviv, 24 Apr 1960,  
p 2.

JPRS 3760

What a Soldier Assigned for Duty in the Province  
of Mozambique Should Know, by Alexandre Pardal,  
18 pp.

PORTUGUESE, bk, Infanteria Revista Technica,  
Portugal, pp 265-274, 421-429, 508-515.

ACSI H-6504

ID 2146544

Nuclear Weapons Impact on Mines, by

H. Fluckiger.

SWEDISH, per, Armee-Motor, No 3, 1960, pp 90, 91.

ACSI H-6778 a

ID 2147204

German Ordnance Field Service Experience in  
North Africa, by D. F. Muller.

SWEDISH, per, Armee-Motor, No 3, 1960, pp 92-102.

ACSI H-6778 b

ID 2147204

Uniform Regulations of the Turkish Ground Forces,  
42 pp.

TURKISH, rpt, Oct 1957.

ID 2141107

The Revolt, 12 pp.

TURKISH, per, Kim, 30 May 1960.

ID 2145277

Near East/Africa  
Geographic

Meteorology Service in Lebanon, by  
Nicolas Ward, 6 pp.  
LEBANESE, rpt, Air, Sea & Land Transports  
Bulletin, Vol IX, No 1, 1960.

AF 1412316

The Soils of Afghanistan, by A. A. Rozanov,  
18 pp.  
RUSSIAN, per, Pochvoved, No 3/4, 1945,  
pp 199-208.

OTS 60-21114  
FL 480

Sociological

Circassian Customs, by Moustafa H. Charkas.  
ARABIC, bk, 1959.

ID 2142057

The Moslems in the Soviet Union and Peoples  
China, by Muhammad Sa'id Isma'il, (DC-4218).  
ARABIC, per, al-Muslimun fi al-Ittihad as-  
Sufiyetti was-Sin ash-Sha'biyyah, 1960,  
pp 1-118.

\*JPRS

The Land of Imam al-Bakhari, Its Past and  
Present, by Muhammad Sa'id Isma'il, (DC-4218).  
ARABIC, per, Bilad al-Imam al-Bakhari, Madiha  
was Hadiraha, 1960, pp 1-117.

\*JPRS

FAR EAST

Economic

Standard Translations of Chinese Communist  
Terms, 136 pp.  
CHINESE.

CIA/FDD Sum 2638

Street Index of Peiping, 36 pp.  
CHINESE, A Map of Major Streets in Peiping,  
1958.

JPRS 4003

Ten Great Years.  
CHINESE, bk, publ by the People's Publish-  
ing House of Peiping, Sep 1959.

ID 2142309

Plan for the Shantung Province Water Con-  
servation Network, (DC-4216).  
CHINESE, np, 1958, 1959.

\*JPRS

Nation's Silk Industry Spreads Its Wings  
and Soars, by Sun Ho-ch'ing, Sun Chin-hui,  
4 pp.  
CHINESE, per, Chekiang Ssu-ch'ou, No 2,  
20 Feb 1959, Hang-chou, pp 8, 9.

JPRS 5087

Thorough Treatment of the Oil-Surfacing  
Phenomenon in Asphalt-Paved City Streets,  
by Hsu Ying-nien, 3 pp.  
CHINESE, per, Ch'eng-shih Chien-she, No 9,  
Peiping, 14 Sep 1959, pp 1, 2.

JPRS 5343

A Few Points of Understanding on Regulating  
Medium and Small Steel Centers, 8 pp.  
CHINESE, per, Ch'eng-shih Chien-she, No 9,  
Peiping, 14 Sep 1959, pp 12, 13.

JPRS 5343

A Decade of City Construction in Ho-fei, by  
Ch'eng Heng, 7 pp.  
CHINESE, per, Ch'eng-shih Chien-she, No 9,  
Peiping, 14 Sep 1959, pp 34-36.

JPRS 5343

Speech by Chia Ch'i-yun to Conference of  
Chiefs of Provincial and Municipal  
Statistical Bureaus, by Chia Ch'i-yun, 20 pp.  
CHINESE, per, Chi-hua yu T'ung-chi, No 14,  
23 Nov 1959, Peiping, pp 1-5.

JPRS 5134

Far East  
Economic (Contd)

Summation by Chia Ch'i-yun to Conference of Chiefs of Provincial and Municipal Statistical Bureaus, by Chia Ch'i-yun, 12 pp. CHINESE, per, Chi-hua yu T'ung-chi, No 14, 23 Nov 1959, Peiping, pp 6-8.

JPRS 5134

Report on All-China Conference of Chiefs of Provincial and Municipal Statistical Bureaus, 5 pp.

CHINESE, per, Chi-hua yu T'ung-chi, No 14, 23 Nov 1959, Peiping, p 9.

JPRS 5134

Several Problems in Current Planning Work, by Yang Ying-chieh, 19 pp.

CHINESE, per, Chi-hua yu T'ung-chi, No 14, 23 Nov 1959, Peiping, pp 10-14.

JPRS 5152

Some Views on Agricultural Planning Work, by Wang Keng-chin, 28 pp.

CHINESE, per, Chi-hua yu T'ung-chi, No 14, 23 Nov 1959, Peiping, pp 15-21.

JPRS 5152

On the Strengthening of the Party Character of Statistical Work, by Li Pei-t'ang, 9 pp.

CHINESE, per, Chi-hua yu T'ung-chi, No 14, 23 Nov 1959, Peiping, pp 26, 27.

JPRS 5134

Under the Leadership of the Party, Strive to Perform Well the Mass Movement for the Realization of an Over-all Leap Forward in Rural Statistical Work, by T'ao Jan, (SF-1025).

CHINESE, per, Chi-hua yu T'ung-chi, No 1, 23 Jan 1960, pp 19-23.

\*JPRS

The Important Tasks in Agricultural Statistical Work in 1960, by Huang Chien-chih, (SF-1027).

CHINESE, per, Chi-hua yu T'ung-chi, No 2, 1960, pp 18-21.

\*JPRS

Raise Higher the Red Banner of Mao Tse-tung's Ideology, and Work Hard to Realize a Continued Big Leap Forward in Urban Statistical Work, by Wang Ssu-hua, (DC-4258).

CHINESE, per, Chi-hua yu T'ung-chi, No 4, 23 Apr 1960.

\*JPRS



Far East  
Economic (Contd)

The Basic Experience in the Over-all Leap Forward in the Organization of Urban Statistical Work, by Tank Chung-i, (SF-1039). CHINESE, per, Chi-yua yu T'ung-chi, No 5, 23 May 1960, pp 15-19.

\*JPRS

Organize by Every Means the Experiences in the Realization of Communications and Transportation Plans, Communications Group, (SF-1039). CHINESE, per, Chi-yua yu T'ung-chi, No 5, 23 May 1960, pp 24-27.

\*JPRS

The Leap Forward of the Silk Industry in Kiangsu, Chekiang, and Shanghai and Our Opinions, (SF-1035). CHINESE, per, Chung-kuo Fang-chih, No 17, 1959, pp 18-21.

\*JPRS

Women's Movement in Communist China, by Ts'ai Chang, 37 pp. CHINESE, per, Chung-kuo Fu-nu, No 5, 1 Mar 1960, Peiping, pp 2-9.

JPRS 5043

Hopeh Rural People's Communes Are Radiant With Successes, 9 pp. CHINESE, np, Hopeh Jih-pao, 1959, p 1.

JPRS 2983

Power of People's Communes Is Unlimited, 6 pp. CHINESE, np, Hopeh Jih-pao, 1959, p 1.

JPRS 2983

The People's Commune Is Good, 4 pp. CHINESE, np, Hopeh Jih-pao, 1959, p 1.

JPRS 2983

A Red Flag for Rural Public Mess Halls, by Chou Keng-i, Wang Lin, Sha Tung-kuei, 7 pp. CHINESE, np, Hopeh Jih-pao, 1959, p 2.

JPRS 2983

Management Methods for the Commune Trade Market at Ho-Chien Hsien Are Good, by Li Lien-hsin, Wang Hsi-chih, 4 pp. CHINESE, np, Hopeh Jih-pao, 1959, p 2.

JPRS 2983

Production Brigades in Various Areas Launch Drive to Catch Up With Advanced Teams, 5 pp. CHINESE, np, Hopeh Jih-pao, 1959, p 2.

JPRS 2983

Far East  
Economic (Contd)

K'ou-t'ou Commune Runs Trade Market Well,  
4 pp.

CHINESE, np, Hopeh Jih-pao, 1959, p 2.

JPRS 2983

A Rebuttal of the Theory That "Public Mess  
Halls Have Ruined Individual Freedom," by  
Ma Yao-chang, 4 pp.

CHINESE, np, Hopeh Jih-pao, 1959, p 3.

JPRS 2977

Hsia-ts'ang Commune Actively Saving Its  
Own Production, 3 pp.

CHINESE, np, Hopeh Jih-pao, 24 Aug 1959,  
p 2.

JPRS 2983

Members of Liu-kuan-t'un Production  
Brigade Seeking to Run Mess Hall Well,  
3 pp.

CHINESE, np, Hopeh Jih-pao, 7 Sep 1959, p 2.

JPRS 2983

Improvement in More than 1,000 Mess Halls  
in Pao-ti Hsien, by Han I-min, Li Pu-lung,  
Wang Tzu-ying, 3 pp.

CHINESE, np, Hopeh Jih-pao, 6 Oct 1959,  
p 2.

JPRS 2977

Resolving the Problem of Rural Mess Halls,  
by Ch'un-hsiang, Sun Chia-chin, 3 pp.

CHINESE, np, Hopeh Jih-pao, 8 Nov 1959,  
p 3

JPRS 2977

Communism Shining Brightly Here, by Wang  
Lin, T'ien Tung-wei, 4 pp.

CHINESE, np, Hopeh Jih-pao, 14 Nov 1959,  
p 2.

JPRS 2977

Utilize Coal Gas in Refining Calcium-  
Magnesium-Phosphorus Fertilizer, (SF-1019).

CHINESE, per, Hsia-hsueh Kung-veh, No 10,  
1960, pp 12, 33.

\*JPRS

Mechanization of Agriculture and More Small  
Steel Plants Advocated at Peiping Congress,  
6 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 2.

JPRS 2908

Far East  
Economic (Contd)

The Great Victory of the Party's Mass Line  
on the Agricultural Scientific Front, by  
Ch'en Feng-t'ung, 16 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 14.

JPRS 2908

Increase Paper Production by Expanding  
Supply of Raw Materials, by Chou Lin-tu,  
8 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 16.

JPRS 2908

Technical Reform Has Guaranteed "Redness  
Every Month" During First Quarter of Year,  
by Liu Pao-chung, 10 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 16.

JPRS 2908

Hopei Advances by Leaps and Bounds, by Ho  
Chien-tang, 10 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 16.

JPRS 2908

Technical Reform and Technological Revolu-  
tion in Chekiang, by Wu Hsien, 19 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 16.

JPRS 2908

Ten Thousand Horses March Ferociously; Ten  
Thousand New Situations Emerge, by Ch'en Hao-  
ch'in, 11 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 18.

JPRS 2908

People Dance Joyously Before the Picture  
of the Leap Forward of the Fatherland, by  
Hou T'ê-pang, 11 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 18.

JPRS 2908

Shih-ch'u-shan Becomes New Industrial City,  
by Yuan Chin-chang, 7 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 18.

JPRS 2908

Far East  
Economic (Contd)

The Rapid Development of Postal and Telecommunications Services, by Lu Tsung-chang, 8 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 18.

JPRS 2908

Raise High the Red Banner of the General Line to Reach the Peaks of Scientific Research, by Chiao Chi-ming, 15 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 19.

JPRS 2908

Thank the Great Party for Coming to My Rescue, by Shen Chih-yuan, 21 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 20.

JPRS 2908

Continuously and Self-Consciously Strive for Self-Revolution, by Chou Pei-yuan, 5 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 20.

JPRS 2908

Develop the Construction Industry at High Speed, by Hsu Chang-hsun, 6 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 21.

JPRS 2908

The Victory of the "Three Great Treasures," by Chao Jung, 11 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 23.

JPRS 2908

Science and Technique Must Be Closely Combined With Production, by Shui Hsi-heng, 9 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 23.

JPRS 2908

Contribute to the Development of the Petroleum Industry, by Chao Tsung-yu, 5 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 24.

JPRS 2908

Support Agricultural Technical Reform; Combine Speedy Industrialization With Speedy Agro-Technical Reform, by Ho Ch'en-hua, 22 pp.  
CHINESE, np, Kansu Jih-pao, Lan-chou, 19 Nov 1959, pp 2, 4.

JPRS 2982

Far East  
Economic (Contd)

Use Active Leadership to Better Operate Mess  
Halls, by Hsieh Hsiang-huang, 3 pp.  
CHINESE, np, Kiangsi Jih-pao, 17 Aug 1959,  
p 3.

JPRS 3637

Communalization Eliminated Plague, by Ho  
Ch'i-jui, Fan Shen-chih, 4 pp.  
CHINESE, np, Kiangsi Jih-pao, 16 Sep 1959,  
p 1.

JPRS 3637

Commune Runs Transportation Forcefully, 4 pp.  
CHINESE, np, Kiangsi Jih-pao, 21 Sep 1959,  
p 2.

JPRS 3637

New Additions in "Red" Mountain Area, 4 pp.  
CHINESE, np, Kiangsi Jih-pao, 5 Oct 1959, p 2.

JPRS 3637

Commune Runs Commerce; Both Production and  
Livelihood Benefit, by Wan Chia-mou, Wan  
Hsueh-kuei, Li Tung-ch'u, 4 pp.  
CHINESE, np, Kiangsi Jih-pao, 17 Oct 1959,  
p 3.

JPRS 3637

Erecting 60 Meters Prestressed Concrete Truss  
in One Unit by Jack Lifting Method, (SF-1034).  
CHINESE, per, Kung-cheng Chien-she, No 5, 1960,  
pp 1-5.

\*JPRS

Wage Regulationships and Wage Differences, by  
Liu Tzu-chiu, 7 pp.  
CHINESE, per, Lao-tung, No 2, 18 Jan 1960,  
pp 1-4.

JPRS 5155

Two Important Phases in Strengthening Wage  
Control Work, 8 pp.  
CHINESE, per, Lao-tung, No 3, 3 Feb 1960,  
pp 1, 2.

JPRS 5178

Promote Positively the Wage Fund Control Work,  
by Hsu Min, 8 pp.  
CHINESE, per, Lao-tung, No 3, 3 Feb 1960,  
pp 3, 4.

JPRS 5178

Far East  
Economic (Contd)

The Role of State Bank in Enforcing Wage Fund Control Measures, by Hsueh Chi-ch'un, 6 pp.

CHINESE, per, Lao-tung, No 3, 3 Feb 1960, pp 5, 6.

JPRS 5178

On Advanced Arrangement and Determination of Personnel, by Ma Wen-shui, 10 pp.

CHINESE, per, Lao-tung, No 4, 18 Feb 1960, pp 3-7.

JPRS 5351

Establish and Perfect the System for Arrangement and Determination of Personnel; Rationally and Economically Use the Labor Force, by Liu Ya-hsiung, 10 pp.

CHINESE, per, Lao-tung, No 4, 18 Feb 1960, pp 8-12.

JPRS 5351

Coal Dressing Plant Achieves Total Automation, (SF-1037).

CHINESE, per, Mei-k'uang Chi-shu, No 9, 1960, pp 19-21, 35.

\*JPRS

Actively Promote "Small and Modern Mass" Coal Mines and Their Technical Improvement, (SF-1036).

CHINESE, per, Mei-k'uang Chi-shu, No 10, 1960, pp 2, 14, 15, 21, 22, 23.

\*JPRS

Struggle for Realizing a Better and More Complete Leap Forward in 1960, by Liu Jen, 17 pp.

CHINESE, np, Peiping Jih-pao, 10 Feb 1960, p 2.

JPRS 2981

Teaching of Pedology at Peiping Agricultural University, 6 pp.

CHINESE, np, Peiping Jih-pao, 4 Jun 1960, p 2.

JPRS 5238

Development of Salvage Work in China, by Lin Ching-hsin, 4 pp.

CHINESE, per, Shui-yun, No 8, 22 Oct 1959, pp 17, 18.

JPRS 3641

Far East  
Economic (Contd)

1960 Aims in Boat Repair Work in China, 4 pp.  
CHINESE, per, Shui-yun, No 8, 22 Oct 1959,  
pp 20, 21.

JPRS 3641

The Organization of the Shang-kuan People's  
Commune Boat-Building Plant, 3 pp.  
CHINESE, per, Shui-yun, No 9, 7 Nov 1959,  
p 11.

JPRS 3641

Ten Years Development of the Honan Inland  
Water Transport, 4 pp.  
CHINESE, per, Shui-yun, No 9, 7 Nov 1959,  
pp 12, 13.

JPRS 3641

Direct Loading From Vehicles to Vessels,  
by Wei Wen-hua, 3 pp.  
CHINESE, per, Shui-yun, No 9, 7 Nov 1959,  
p 24.

JPRS 3641

China Water Transport Plans for the First  
Quarter of 1960, by Wu Mei, 18 pp.  
CHINESE, per, Shui-yun, No 12, 22 Dec 1959,  
pp 2-7, 10.

JPRS 3641

Development of Water Transportation in  
Honan, 5 pp.  
CHINESE, per, Shui-yun, No 1, 1960, pp 8, 9.

JPRS 3609

Tsingtao Harbor Uses Harbor Loading and Un-  
loading Unit Business Accounting, 6 pp.  
CHINESE, per, Shui-yun, No 1, 1960,  
pp 15-17.

JPRS 3609

Report on Adjustment of the Main Targets  
of Shantung's Economic Plan for 1959 and  
Further Development of the Production-  
Increase and Economy Campaign, by Pai Ju-  
ping, 22 pp.  
CHINESE, np, Ta-chung Jih-pao, 16 Sep 1959,  
p 2.

JPRS 5242

Construction of Native Railways in China, by  
Chi Teh, 3 pp.  
CHINESE, per, Tieh-tao Chou-k'an, No 50,  
1959, pp 16, 17.

JPRS 3609

**Far East  
Economic (Contd)**

- Railway Transport Goals for 1959, by  
Ma Kuo-yai, Shih Kung-su, 5 pp.  
CHINESE, per, Tieh-tao Chou-k'an, No 51,  
1959, pp 8-11. JPRS 3609
- Articles on the Electrical Machine Industry  
in Communist China, 8 pp.  
CHINESE, per, Tien-chi Kung-yeh, No 23, 1959,  
pp 13-16. JPRS 3682
- The Ten-Year Achievement of the Electrical  
Instruments Manufacturing Industry, by Ku  
Hsin-min, 6 pp.  
CHINESE, per, Tien-chi Kung-yeh, No 23, 1959,  
pp 17-19 (Excerpts). JPRS 3682
- Methods Used in the Study of Transportation, by  
Lu Hsin-yen, 7 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 7,  
1959, pp 294-296. JPRS 3609
- Harbor of Shanghai, by Yen Chung-min, 6 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 7,  
1959, pp 305-307. JPRS 3609
- Decade of Development in China's Water  
Transportation, by Chang Wen-ang, 6 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 8,  
1959, pp 339-341. JPRS 3609
- Transportation in the Tsaidam Basin, by Ts'ui  
Kuang-hao, 4 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 8,  
1959, pp 342, 343. JPRS 3609
- Extending the Programming Work for the Peo-  
ple's Communes, by Li Ping-shu, 4 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 9,  
1959, pp 385, 386. JPRS 3621
- Economic Geography and the Problem of Commune  
Economic Programming, by Cheng Lu, 7 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 9,  
1959, pp 387-389. JPRS 3621



Far East  
Economic (Contd)

Several Problems Concerning the Locations of the Population Concentration Points in the Communes, by Lien I-tung, 8 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 9, 1959, pp 390-392.

JPRS 3621

Rivers and Water Power Sources of Fukien, by Hu Shan-mei, 8 pp.  
CHINESE, per, Ti-li Chih-shih, Vol X, No 9, 1959, pp 410-412.

JPRS 3622

Quantitative Analysis of the Development Rate of Transportation, by Yen Te-i, 11 pp.  
CHINESE, per, Ti-li Chih-shih, Vol XI, No 1, 1959, pp 6-9.

JPRS 3609

The Role of Economic Geography in the People's Commune Program, by Heng Chi-wei, Lien Hong-yuan, Wu Hsing-han, 14 pp.  
CHINESE, per, Ti-li Hsueh-pao, Vol XXV, No 1, 1959, pp 40-46.

JPRS 3621

Opinions on Structure and System of Statistics, 3 pp.  
CHINESE, per, T'ung-chi Kung-tso, 14 Oct 1958, pp 9-12.

AID SIR-3337

Metallurgy in China, (DC-4220).  
CHINESE, per, Yeh-chin Pao, No 192, 193, 194, 195, 1, 3, 7, 10 May 1960, pp 1, 2, 3, 4.

\*JPRS

Victory Over Hunger (China), by Josue de Castro, 12 pp.  
FRENCH, per, Economie et Politique, No 66, 67, Jan/Feb 1960, pp 94-102.

JPRS 3639

Budget, Money and Banks (China), by Henri Delorme, 33 pp.  
FRENCH, per, Economie et Politique, No 66, 67, Jan/Feb 1960, pp 103-120.

JPRS 3639

Facts on the Evolution of the Standard of Living (China), by Paul Noirot, 37 pp.  
FRENCH, per, Economie et Politique, No 66, 67, Jan/Feb 1960, pp 121-145.

JPRS 3639

Far East  
Economic (Contd)

The State Railway in the Korean People's Democratic Republic, 23 pp.

GERMAN, per, Deutsch Eisenbahtchn, Jan 1960, pp 15-21.

ACSI H-6509  
ID 2144880

1958 Ministry of Shipping Report, 56 pp.  
INDONESIAN, rpt, 1958.

ID 2142738

The Cooperative Movement and Cooperative Exhibit, by Transkopemada Minister Achmadi, (SF-1063).

INDONESIAN, np, Mimbar Indonesia, Vol XIV, No 31, 30 Jul 1960, pp 8, 10, 28; Harian, Rakjat, 13 Jul 1960.

\*JPRS

Manpower as a Strategic Factor in the Development of the Indonesian Economy, by Subroto, (SF-1062).

INDONESIAN, per, Siasat, Vol XIV, No 684, 1960, pp 11-15.

\*JPRS

The Victory of the Indonesian Communist Party, 9 pp.

INDONESIAN, per, Skets Masa, Vol III, No 10, 15 Feb 1960, pp 3-5, 9.

JPRS 5295

Communist China's Economic Emergence in Southeast Asia, 8 pp.

JAPANESE, rpt, Encl to Desp No 103, AmEmbassy, Tokyo, 25 Jul 1960.

Dept of State  
4446904

People's Communes and Water Conservancy in Communist China, by Asakawa Kenji, 10 pp.

JAPANESE, per, Ajia Keizai Jumbo, 1 Jun 1960, pp 4-10.

JPRS 5224

Japanese Analysis on Purchase and Sale Prices in Communist China, (SF-1030).

JAPANESE, per, Ajia Keizai Jumbo, No 436, 1960, pp 5, 6-14.

\*JPRS

Present Situation in Communes in Communist China, 4 pp.

JAPANESE, per, Ajia Kenkyu, No 204, 9 Feb 1960, pp 2-8.

JPRS 3566

Far East  
Economic (Contd)

Japanese Study on Problems of Agriculture in Communist China, (NY-4665).

JAPANESE, per, Ajia Kenkyu, No 226, 1960, pp 2-7.

\*JPRS

Japanese Analysis on Communes and Agricultural Mechanization in Communist China, by Fukushima Yutaka, 43 pp.

JAPANESE, per, Chugoku Shiryo Geppo, No 144, 28 Mar 1960, pp 1-35.

JPRS 3692

Japanese Appraisal of Index Numbers of Industrial Production in Communist China, 15 pp.

JAPANESE, per, Ekafa Tsushin, No 223, 21 Mar 1960, pp 1-22.

JPRS 3617

Railroad Construction in Communist China After the Great Leap Forward, by Shirahama Hidekichi, 10 pp, ID 2139710.

JAPANESE, per, Tairiku Mondai, Mar 1960.

USACRAPAC, PD  
101465

A Study of Train Scheduling and Operation Adjustment.

JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Jan 1960, p 25.

USACRAPAC, PD  
Tr No 101815-C

Agricultural Cooperative Management Committees in North Korea, 11 pp.

KOREAN, np, Minju Choson, 28 May 1960, pp 2, 3.

JPRS 5257

Two Years' Surveying and Development of Petroleum Reserves in Communist China, by G. Ye. Ryabukhin, 28 pp.

RUSSIAN, monograph, Geologiya v Kitaya, 1960, pp 1-31.

JPRS 3672

Organization of Production, Labor Productivity and Costs in the Coal Industry of the CPR, by I. I. Bazhenov, I. A. Leonenko, A. K. Kharchenko, 26 pp.

RUSSIAN, bk, Ugol'naya Promyshlennost' Kitayskoy Narodnoy Respubliki, Chap XVII, 1959, pp 438-455.

JPRS 5198

Far East  
Economic (Contd)

Development of Machine-Tool Building in China, by B. V. Lenskiy, 9 pp.  
RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 10, 1959, pp 78-81.

LIU Tr Bul  
May 1960

Electric Power Stations of the Amur.  
RUSSIAN, per, Geografiya v Shkole, Jun 1960, p 74.

USACRAPAC, PD  
Tr No 102265

Industrial North Korea, by O Ik-kun, 5 pp.  
RUSSIAN, np, Izvestiya, 19 Nov 1958.

JPRS 3614

Achievements of Blast Furnace Operators in the People's Republic of China, by Li Kung-ta, Lin Tsung-tsai, 14 pp.  
RUSSIAN, per, Metallurg, No 4, 1960, pp 9-13.

JPRS 3596

Some Results in the Development of Stock-Breeding in the People's Republic of China, by I. A. Lebedev.  
RUSSIAN, per, Vest Sel'skokh Nauk, No 1, 1960, pp 121-125.

\*USDA

One Year of Successful Financial Management in Production, by Do Van Sun, 5 pp.  
VIETNAMESE, per, Cong Nghiep, No 22, 1960, pp 5, 10, 11.

JPRS 5013

To Make a Further Step in the 1960 State Plan the North Industry Is Developing Rapidly and Steadily, by Vu Quoc Tuan, 3 pp.  
VIETNAMESE, np, Cuu Quoc, No 2952, 21 Feb 1960, p 1.

JPRS 5013

This Mining Area Is Very Picturesque, by Tran Viet, 5 pp.  
VIETNAMESE, np, Nhan Dan, No 2158, 1960, p 2.

JPRS 5013

Far East  
Economic (Contd)

Agricultural-Forestry Production  
Recapitulation Congress on 16 February  
1960, by Pham Hung, 14 pp.  
VIETNAMESE, np, Nhan Dan, No 2162, 1960,  
pp 3, 4.

JPRS 5013

What Should the Domestic Trade Branch Do  
to Realize the 1960 State Plan, by Do  
Muoi, 4 pp.  
VIETNAMESE, np, Nhan Dan, No 2164, 1960,  
p 2.

JPRS 5013

Strengthening of Leadership in the Reform  
and Development of the Handicraft Industry,  
by Do Muoi, 6 pp.  
VIETNAMESE, np, Nhan Dan, No 2166, 1960,  
p 2.

JPRS 5013

Intensify Communication and Transport  
Activities to Serve Production, Construc-  
tion, and Circulation of Goods, by Nguyen  
Huu Mai, 6 pp.  
VIETNAMESE, np, Nhan Dan, No 2169, 1960,  
p 2.

JPRS 5013

The Industrial Sector's Responsibilities  
Under the 1960 State Plan, by Le Thanh  
Nghi, 5 pp.  
VIETNAMESE, np, Nhan Dan, No 2180, 1960,  
p 2.

JPRS 5013

North Vietnam Minister of Industry Explains  
Party Policy for Economic Rehabilitation and  
Development, by Le Thanh Nghi, 6 pp.  
VIETNAMESE, np, Quan Doi Nhan Dan, No 698,  
18 Feb 1960, pp 3, 4.

JPRS 3587

A Discussion on Agricultural Cooperatives, by  
Nguyen The Phuong, (DC-4309).  
VIETNAMESE, per, Thoi Su Pho Thong, No 5,  
1960, pp 11-17.

\*JPRS

Far East  
Economic (Contd)

Viet Tri Iron-Steel Zone in North Vietnam,  
by Nguyen Tri Tinh, 6 pp.  
VIETNAMESE, np, Tien Phong, No 531, 532, 22,  
24 Feb 1960, p 2.

JPRS 3653

Under the Leadership of the Party Let  
Agricultural Technique and Production,  
Move Forward, 6 pp.  
VIETNAMESE, per, Tin Tuc Hoat Dong Khoa Hoc,  
No 1, 1960, pp 6-8.

JPRS 5013

Far East  
Political

Leading the Advance of Technical Innovation  
and Technical Revolution Along the Correct,  
Scientific, and All-People Road, by K'o  
Ch'ing-shih, 25 pp.

CHINESE, per, Chieh-fang, No 7, 5 Apr 1960,  
pp 1-9.

JPRS 5245

Sum Up Experience, Set Up Model Soldiers, Push  
the Mass Movement for the Study and Propagation  
of Mao Tse-tung's Thought to a New High Tide,  
14 pp.

CHINESE, mp, Chieh-fang Jih-pao, 6 May 1960,  
p 5.

JPRS 5157

The Working Method of Marxism, by Hu Hsin-jen,  
5 pp.

CHINESE, mp, Chieh-fang Jih-pao, 6 May 1960,  
p 5.

JPRS 5157

Where are the Crucial Barriersto the Realiza-  
tion of a Continued Great Leap Forward in  
Agriculture This Year, by Ho Shih-lien,  
(DC-4312).

CHINESE, per, Ch'iu-shih, No 3, 1960, pp 1-13.

\*JPRS

Accelerate Agricultural Technical Reform, by  
Tai Meng.

CHINESE, per, Ch'iu-shih, No 3, 1960, pp 25-33.

\*JPRS

An Uninterrupted Revolution, Struggle to Maintain  
a Leap Forward at High Speed by Iron and Steel  
Industry in Kiangsu, by Hsu Chia-t'un, 15 pp.

CHINESE, per, Ch'un-chung, No 3, 1 Feb 1960,  
pp 7-10.

JPRS 5245

Train and Select Technical Cadres From Among  
the Workers, 7 pp.

CHINESE, per, Ch'un-chung, No 3, Nanking,  
1 Feb 1960, pp 13-15.

JPRS 5245

Energetically Carry Out Mechanization and  
Semi-Mechanization, by Yao Yuan, 14 pp.

CHINESE, per, Ch'un-chung, No 3, 1 Feb 1960,  
pp 21-25.

JPRS 5245

**Far East**  
**Political (Contd)**

New Life for the Grand Canal, by Ku Liang,  
Ku Erh-t'an, 14 pp.  
CHINESE, per, Ch'un-chung, No 3, 1 Feb 1960,  
pp 30-33.

JPRS 5245

Carry out a Great Leap Forward in the Ideological  
Style of the Basic Level Cadre, (DC-4312).  
CHINESE, per, Ch'un-chung, No 7, 1960, pp 1-4.

\*JPRS

Long-Term Drought Prevention and Anti-Drought  
Work as Prelude to New Peak of Water Conservancy  
Movement, 6 pp.  
CHINESE, per, Chung-chou P'ing-lun, No 7, 1 Apr  
1960, pp 5, 6.

JPRS 5245

Iron and Steel Production Must Be Accelerated  
at a High Speed, by Li Tseng-yung, 11 pp.  
CHINESE, per, Chung-chou P'ing-lun, No 7,  
1 Apr 1960, pp 9-12.

JPRS 5245

Culture and Art Must Strive Toward 1960's  
Continued Leap Forward, by Feng Teng-tzu,  
Tu Hsi-t'ang, 13 pp.  
CHINESE, per, Chung-chou P'ing-lun, No 7,  
1 Apr 1960, pp 15-19.

JPRS 5245

The New Stage in the Communist Education of  
Chinese Youth, by Hu K'o-shih, (DC-4311).  
CHINESE, per, Chung-kuo Ch'ing-nien, No 11,  
1960, pp 2-8.

\*JPRS

Portrait of a Miao Girl Militia, 5 pp.  
CHINESE, per, Chung-kuo Fu-nu, No 9, 1960,  
p 27.

JPRS 5168

The Equal Importance of Work and Family Life,  
by Pai Ling, 3 pp.  
CHINESE, per, Chung-kuo Fu-nu, No 9, 1960,  
pp 28, 29.

JPRS 5168

An Essay on the Social Background of the  
Appearance of Buddhism and Some Characteristics  
of Buddha's Thoughts, by I-ju, 22 pp.  
CHINESE, per, Hsien-tai Fu-hsueh, No 3, 1960,  
pp 25-30.

JPRS 5108



Far East  
Political (Contd)

Contradictions Are the Motive Power  
for the Development of Socialist  
Society, by Wu Chih-pu, (NY-4701).  
CHINESE, per, Hsin Chien-she, No 6,  
7 Jun 1960, pp 1-6.

\*JPRS

Firmly Maintain the Method of Dialectical  
Materialism, Oppose Metaphysics, by T'sao  
Te-lin, (NY-4701).  
CHINESE, per, Hsin Chien-she, No 6, 7 Jun  
1960, pp 7-14.

\*JPRS

Significant National-International Developments  
During 16-31 March 1960, 14 pp.  
CHINESE, per, Hsin-hua Pan-yueh-k'an, No 7,  
12 Apr 1960, pp 183-185.

JPRS 3605

Significant National-International Developments  
During 1-15 April 1960, 12 pp.  
CHINESE, per, Hsin-hua Pan-yueh-k'an, No 8,  
27 Apr 1960, pp 183-185.

JPRS 3661

Important National-International Developments  
During 16-30 April 1960, 11 pp.  
CHINESE, per, Hsin-hua Pan-yueh-k'an, No 9,  
12 May 1960.

JPRS 3725

Our People Must Live a Healthy and Civilized  
Life, by Wen Shuai-jun, 4 pp.  
CHINESE, per, Hung-ch'i, No 7, 1960, pp 33-35.

JPRS 3623

The New Climate in the Technical Revolutions  
in the Factories, by Nieh Jung-chen, 9 pp.  
CHINESE, per, Hung-ch'i, No 8, 16 Apr 1960,  
pp 35-41.

JPRS 3591

The Current Accomplishments of Vietnam in  
Socialist Reform and Construction, by Ho Wei,  
7 pp.  
CHINESE, per, Hung-ch'i, No 8, 16 Apr 1960,  
pp 45-49.

JPRS 3591

Speaking From the Climbing of Mount Everest,  
by Wen Shih-jui, (DC-3502/23).  
CHINESE, per, Hung-ch'i, No 12, 16 Jun 1960,  
pp 5-7.

\*JPRS

Far East  
Political (Contd)

Make Use of Water Potential, Advance  
Toward Mechanization and Semi-Mechanization  
by Hsieh Hsin-ying, (DC-3502/23).  
CHINESE, per, Hung-chi, No 12, 16 Jun 1960,  
pp 26-29.

\*JPRS

The Innovations Movement in the Control of  
Tools in Mu-tan-chiang, by Shen Chung,  
(DC-3502/23).  
CHINESE, per, Hung-chi, No 12, 16 Jun 1960,  
pp 30-33.

\*JPRS

Develop the Comprehensive Use of Lumber With  
Artificial Boards as the Core, by Yung Yen-  
t'ao, (DC-3502/24).  
CHINESE, per, Hung-chi, No 13, 1960, pp 15-19.

\*JPRS

Engage Extensively in the Comprehensive Use  
of Lumber and in the Chemical Industry for  
Lumber Production, by Hsu Yeh, (DC-3502/24).  
CHINESE, per, Hung-chi, No 13, 1960, pp 20-24.

\*JPRS

Listen to the Party, Follow It Forever, by  
Chung Hui-lan, 14 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 23.

JPRS 2949

Reform Through and Through, by Tseng Chao-lun,  
7 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 24.

JPRS 2949

Education of Children in Communist China,  
8 pp.  
CHINESE, np, Jen-min Jih-pao, 1 Jun 1960, p 2.

JPRS 5237

Party Control of Communications Media, by  
Yu Chang-ch'in, Yu Hui-ing, 6 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Jun 1960,  
p 7.

JPRS 5260

Far East  
Political (Contd)

People's University Trains Many Cadres  
in Seven Years, 6 pp.

CHINESE, np, Kuang-ming Jih-pao, 24 Mar  
1960, p 2.

JPRS 3680

Peiping University Reforms Teaching of Natural  
Science, 3 pp.

CHINESE, np, Kuang-ming Jih-pao, 29 Mar 1960,  
p 1.

JPRS 3680

Shantung Exchanges Model Higher Education  
Experiences, 4 pp.

CHINESE, np, Kuang-ming Jih-pao, 2 Apr 1960,  
p 1.

JPRS 3680

Drive to Revolutionize Middle School Education,  
5 pp.

CHINESE, np, Kuang-ming Jih-pao, 4 Apr 1960, p 2.

JPRS 3680

Introducing an Article on Anti-Redtapism, by  
Chi Wen-fu, 4 pp.

CHINESE, np, Kuang-ming Jih-pao, 28 May 1960,  
p 3.

JPRS 5156

Vigorously Train College Instructors to Become  
"Red" and "Proficient," 4 pp.

CHINESE, np, Kuang-ming Jih-pao, 31 May 1960,  
p 3.

JPRS 5223

Cultural and Educational Achievements in Tibet  
in the Past Year, by Fang Ch'ih-hsin, 4 pp.

CHINESE, np, Kuang-ming Jih-pao, 2 Jun 1960,  
p 5.

JPRS 5223

Malthus' Theory of Population is the Most  
Reactionary System of Capitalist Thought,  
by Ch'ih-ch'iu, 9 pp.

CHINESE, np, Kuang-ming Jih-pao, 2 Jun 1960,  
p 6.

JPRS 5223

Politics is the Life-Line of All Economic  
Activities, by Shen Liao-chin, 12 pp.

CHINESE, np, Kuang-ming Jih-pao, 6 Jun 1960,  
p 6.

JPRS 5223

Far East  
Political (Contd)

Refuting the Views of Ma Yin-ch'u on the  
Keynesian Theory, by Hsiang Ch'ung, Hu  
Ch'ing, 25 pp.

CHINESE, np, Kuang-ming Jih-pao, 13 Jun  
1960, p 3.

JPRS 5159

The Struggle for World Peace After the  
American Break-Up of the Conference of the  
Heads of State, by Cheng Wan, (DC-4311).  
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 6,  
1960, pp 4-8.

\*JPRS

The Patriotic and Righteous Struggle of the  
Japanese People Against America, by Chi Hung,  
(DC-4311).  
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 6,  
1960, pp 25-31.

\*JPRS

People of Asia, Unite; Fight American Imperialism  
to the End, by Mei Hsiao-shih, (NY-4701).  
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 7,  
13 Jul 1960, pp 2-7.

\*JPRS

American Imperialism Is the Deadly Enemy of the  
Latin American Peoples, by Yuan Wen, (NY-4701).  
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 7,  
13 Jul 1960, pp 8-16.

\*JPRS

Criticism of Bourgeois International Law on the  
Problem of National Sovereignty, by Hsin Wu,  
(NY-4701).  
CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 7,  
13 Jul 1960, pp 42-51.

\*JPRS

Struggle for the Victorious Realization of the  
Great Leap Forward in Agricultural Production  
This Year, 8 pp.  
CHINESE, per, Li-lun Hsueh-hsi, No 4, 1 Apr  
1960, pp 1-3.

JPRS 5245

Actively Develop the Agricultural Machinery  
Industry, by Wu Shao-wen, 8 pp.  
CHINESE, per, Li-lun Hsueh-hsi, No 4, 1 Apr  
1960, pp 8-10.

JPRS 5245

Far East  
Political (Contd)

Study Comrade Mao Tse-tung's Great  
Strategic Thinking That "Imperialism  
and All Reactionaries Are Paper Tigers,"  
by Tung Fang-ming, 14 pp.  
CHINESE, per, Li-lun Hsueh-hsi, No 4,  
1 Apr 1960, pp 13-18.

JPRS 5245

Study Leninism, Smash Modern Revisionism, by  
Ho Ch'eng-chang, 16 pp.  
CHINESE, per, Li-lun Hsueh-hsi, No 4, 1 Apr  
1960, pp 35-40, 48.

JPRS 5245

Writings of Chairman Mao - The Most Treasured  
Common Heritage of the People of All  
Nationalities, by Li Hung-fan, 7 pp.  
CHINESE, per, Min-tzu T'uan-chieh, No 2,  
1960, pp 7, 8.

JPRS 5286

The Need for a High Rate of Industrial Develop-  
ment in Regions of Minority Nationalities, by  
Yang Chih-lin, 13 pp.  
CHINESE, per, Min-tzu T'uan-chieh, No 2, 1960,  
pp 9-11.

JPRS 5286

Positive Reforms of Old Marriage Customs and  
Practices, by Yeh Ku-lin, 16 pp.  
CHINESE, per, Min-tzu T'uan-chieh, No 2,  
1960, pp 12-15.

JPRS 5286

Normal College Employees Achieve a Major  
Technological Innovation, 4 pp.  
CHINESE, np, Pei-ching Jih-pao, 21 Mar 1960,  
p 1.

JPRS 3680

Realize a Continued Great Leap Forward in Grain  
Output, 8 pp.  
CHINESE, per, Shang-yu, No 4, Canton, 25 Feb  
1960, pp 4-6, 7.

JPRS 5245

The Problem of Raising Labor Productivity,  
10 pp.  
CHINESE, per, Shang-yu, No 4, 25 Feb 1960,  
pp 21-23.

JPRS 5245

Far East  
Political (Contd)

How the Movement for Developing Electric Power Is Launched by the People of Honan Province, by Li P'ei-t'ang, 10 pp.  
CHINESE, per, Shui-li Yu Tien-li, No 9, 5 May 1960, pp 3-7.

JPRS 5243

Study Chairman Mao's Correct Attitude Toward New Things, by Hsiung Shih-chieh, 8 pp.  
CHINESE, per, Tsu-chia, No 6, 23 Mar 1960, pp 5-7.

JPRS 5245

What Is the Basic Path for Raising Labor Productivity, 13 pp.  
CHINESE, per, Tsu-chia, No 6, 23 Mar 1960, pp 12-14.

JPRS 5245

The Study of New Phenomena in the Development of the Countries of Southeast Asia, by Milintije Popovich, 13 pp.  
CROATIAN, per, Nasha Stvarnost, No 4, 1960, pp 417-429.

JPRS 3537

Speech of Junior Minister of Agrarian Affairs Master of Laws Supreme Advisory Council on 13 January 1960, (NY-4624).  
INDONESIAN, doc, Department of Agrarian Affairs document, 1960.

\*JPRS

Report on the Lesser Sundas, Indonesia, 1952-1957, Volume II, by Sarimin Reksodihardjo, 110 pp.  
INDONESIAN, monograph, Memori Penjersahan Gubernur, Kepala Daerah Propinsi Nusa Tenggara, Vol II, 30 Mar 1957, pp 109-213.

JPRS 3700

Systematic Mutual Cooperation (Sistematik Gotong Rojong), (NY-4623).  
INDONESIAN, per, Department for Mobilization of the Peoples Power, 1959, pp 3-23.

\*JPRS

Indonesian Political Life Has Not Yet Been Put in Order, by Zobeir A. Hadid, 7 pp.  
INDONESIAN, per, Mimbar Indonesia, Vol XIV, No 21, 21 May 1960, pp 6, 7.

JPRS 5295

Far East  
Political (Contd)

A Priority Problem - Criticism  
of Asian Games Construction, by  
Zoebeir A. Hadid, (NY-4625).  
INDONESIAN, per, Mimbar Indonesia,  
Vol XIV, No 26, 1960, pp 5-31.

\*JPRS

History of Parliamentarianism in Indonesia  
During the Past Ten Years and Other Events,  
(NY-4659).  
INDONESIAN, per, PKI dan Perwakilan, Vol IV,  
No 4, 1959, pp 150-157.

\*JPRS

Law No 2 of 1960 on [Agricultural] Production  
Distribution, (NY-4659).  
INDONESIAN, per, PKI dan Perwakilan, Vol V,  
No 1, 1960, pp 137-146.

\*JPRS

Indonesian-Japanese Agreement on Permina  
Oil Fields: Tobacco and the Cigarette  
Industry: Efforts to Increase Cement Produc-  
tion: Sugar Distribution and Trade, (DC-  
4261).

INDONESIAN, per, Warta Ekonomi, Vol XIII,  
No 16/17/18, 1960, pp 308-312.

\*JPRS

Progress in Urban Communalization, by Fukushima  
Yutaka, 10 pp.

JAPANESE, per, Ajia Keizai Jumbo, No 431,  
10 May 1960, pp 4-12.

JPRS 5106

Conference of Militia Leaders in Communist  
China, by Michio Iwamura, 8 pp.

JAPANESE, per, Ajia Keizai Jumbo, No 432,  
20 May 1960, pp 1-7.

JPRS 5313

Problems of Urban Communes in China, 5 pp.

JAPANESE, per, Ajia Kenkyu, No 215,  
26 Apr 1960, pp 2-7.

JPRS 5106

National Conference of Japan Communist Party  
Organization Department Chiefs Held, 13 pp.  
JAPANESE, np, Akahata, 16 Apr 1960.

USACRAPAC, PD  
102144 (1a)

Far East  
Political (Contd)

Mao Tse's-tung's Reception of the  
Japanese, Brazilian, Cuban, and  
Argentine Delegations in Wuhan,  
14 May 1960, 7 pp.  
JAPANESE, per, Chuso Jisei, No 861,  
23 May 1960.

JPRS 3604

Present Situation Among the Peoples of the  
Eastern Nations.  
JAPANESE, per, Tairiku Mondai, Jul 1960,  
pp 19-23.

USACRAPAC, PD  
Tr No 102234

East-West Summit Parley and the Attitude of  
Communist China.  
JAPANESE, per, Tairiku Mondai, Jul 1960,  
pp 45-49.

USACRAPAC, PD  
Tr No 102234

New Strength.  
KOREAN, pamphlet.

ID 2141479

Modern Revisionism Which Serves American  
Imperialism, (DC-4219).  
KOREAN, bk, Mijegukchuui Pongmuhanun  
Hyondae Sujongjuui, 1958, pp 3-106.

\*JPRS

Training of Cadres in North Korea, by Kim  
Kuk-t'ae, 6 pp.  
KOREAN, np, Nodong Sinun, 6 May 1960, p 2.

JPRS 5170

The United States and China, by V. Zhukov,  
P. Tolmachev, 19 pp.  
RUSSIAN, per, Mirovaya Ekonomika i Mezhdunarodnyye Otnosheniya, No 12, 1958, pp 19-31.

519th MI Bn H-3372 a  
ID 2144857

Concerning the Question of Territorial Waters,  
by V. Vereshchetin, 19 pp.  
RUSSIAN, per, Mirovaya Ekonomika i Mezhdunarodnyye Otnosheniya, No 12, 1958, pp 117-119.

519th MI Bn H-3372 b  
ID 2144857

Campaign Propaganda Concerning Ceylon's Second  
1960 General Election, 10 pp.  
SINHALESE, rpt, Encl 1-7, to Desp No 28,  
AmEmbassy, Colombo, 7 Jul 1960.

Dept of State  
4444544



Far East  
Political (Contd)

The Heart of Uncle Ho, by Cao-Viet-Bao,  
6 pp.

VIETNAMESE, np, Lao Dong, No 748, 19 May  
1960, pp 2, 4.

JPRS 5084

Nguyen AI Quoc, Leader of the Party of the  
Vietnamese Working Class, by Tran Huy Lieu,  
5 pp.

VIETNAMESE, np, Lao Dong, No 748, 19 May  
1960, p 4.

JPRS 5084

Political Activities Within North Vietnamese  
Army, by Nguyen Chi Thanh, 26 pp.

VIETNAMESE, np, Quan Doi Nhan Dan, No 739,  
24 May 1960, pp 1, 2.

JPRS 5071

Nguyen Lam's Speech to the National Congress  
of Lao Dong Youth Delegates on 15 Feb 1960,  
12 pp.

VIETNAMESE, np, Tien Phong, No 529, 17 Feb 1960,  
p 3.

JPRS 3554

Le Duan's Speech to the National Congress of  
Lao Dong Youth Delegates on 19 Feb 1960,  
4 pp.

VIETNAMESE, np, Tien Phong, No 531, 22 Feb 1960,  
pp 1, 4.

JPRS 3554

Resolutions Adopted at the National Congress of  
Vietnam Lao Dong Youth Group Delegates,  
15-20 Feb 1960, 19 pp.

VIETNAMESE, np, Tien Phong, No 534, 29 Feb  
1960, pp 2, 3.

JPRS 3554

South Vietnam and President Ho, by Luu Quy  
Ky, 8 pp.

VIETNAMESE, np, Tien Phong, No 561, 2 May  
1960; No 562, 4 May 1960, p 3.

JPRS 5083

Uncle Ho During the First Days of the August  
Revolution, by Nguyen Buong Bang, 8 pp.

VIETNAMESE, np, Tien Phong, No 563, 6 May  
1960, pp 3, 4.

JPRS 5083

**Far East**  
**Political (Contd)**

Meetings With Uncle Ho in Canton and  
Siam [Now Thailand], by Le Manh Trinh,  
30 pp.

VIETNAMESE, np, Tien Phong, No 568,  
18 May 1960; No 569, 20 May 1960;  
No 570, 23 May 1960, p 3.

JPRS 5083

Far East  
Military

Navy.

CHINESE, pamphlet, Chung-kuo Ch'ing-nien  
Ch'u Pan-she, 1957, 42 pp.

USACRAPAC, PD  
TR No 102221-A

Naval Vessels.

CHINESE, pamphlet, K'o-hsueh P'u-chi Ch'u-  
Pan-she, 1957, 42 pp.

USACRAPAC, PD  
Tr No 102221-B

Liberation Army Pictorial 3/1960, 10 pp.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
1 Feb 1960.

ID 2142926

Liberation Army Pictorial 4/1960, 9 pp.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
16 Feb 1960.

ID 2143003

Liberation Army Pictorial 5/1960, 13 pp.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
1 Mar 1960.

ID 2145292

Liberation Army Pictorial 6/1960, 12 pp.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
16 Mar 1960.

ID 2144778

North Vietnam's Law on Military Service.  
VIETNAMESE, np, Quan Doi Nhan Dan, 16 Apr  
1960.

ID 2142449

On Strict Implementation of the Directives  
of the General Party Delegation to the  
Army and Exerting Strength to Fulfill This  
Year's Training Plans, 6 pp.

VIETNAMESE, np, Quan Doi Nhan Dan, 19 Apr  
1960, pp 1, 2.

JPRS 5082

Great Victory of All-Army Engineer Technical  
Congress, 3 pp.

VIETNAMESE, np, Quan Doi Nhan Dan, 23 Apr  
1960, pp 1, 4.

JPRS 5082

Far East  
Geographic

Economic Geography of the Chu-chiang Basin,  
8 pp.

CHINESE, per, Ti-li Chih-shih, No 5, 6 May  
1959, pp 210-212.

JPRS 3717

Natural Geography Characteristics of the  
Chu Chiang River Basin, by Hsu Chun-ming,  
9 pp.

CHINESE, per, Ti-li Chih-shih, No 5, 6 May  
1959, pp 220-223.

JPRS 3717

Problem Relating to Location of Industries  
in Regional Planning, by Wu Lo-shan, 4 pp.  
CHINESE, per, Ti-li Chih-shih, No 7, 6 Jul  
1959, pp 292, 293.

JPRS 3717

Development of Industries in Shanghai, by  
P'an Hsueh-mei, 8 pp.

CHINESE, per, Ti-li Chih-shih, No 7, 6 Jul  
1959, pp 302-305.

JPRS 3717

Ha-mi, by Shen Tao-chi, 4 pp.

CHINESE, per, Ti-li Chih-shih, No 8, 6 Aug  
1959, pp 344, 345.

JPRS 3717

The Natural Geography of the Chi-lien Shan,  
by Wei Wen-tse, Huang Ta-hsin, 11 pp.

CHINESE, per, Ti-li Chih-shih, No 9, 1959,  
pp 399-402.

JPRS 3622

Deserts in the Northwest, by Lou Tung-mao,  
6 pp.

CHINESE, per, Ti-li Chih-shih, No 9, 1959,  
pp 413, 414.

JPRS 3622

Plants of the Wu-lan-pu-ho Desert, by Want  
Jen-ch'in, Wu Shu-lan, 7 pp.

CHINESE, per, Ti-li Chih-shih, No 10, 1959,  
pp 458, 459.

JPRS 3717

Lake Depression Areas in the Hopeh Plains and  
Their Transformation and Utilization, by Liu  
Chun-hai, 7 pp.

CHINESE, per, Ti-li Chih-shih, No 10, 1959,  
pp 461-463.

JPRS 3717

Far East  
Geographic (Contd)

Shih-chia-chuang, A New Industrial City,  
by Ts'ui Ching-ju, Kao Hui-chen, 6 pp.  
CHINESE, per, Ti-li Chih-shih, No 11, 1959,  
pp 500-502.

JPRS 3717

Rapid Growth of Ch'ang-ch'un, by Mu Ying-hua,  
7 pp.  
CHINESE, per, Ti-li Chih-shih, No 12, 1959,  
pp 538-542.

JPRS 3717

Problems in Compiling Agricultural Commune  
Atlases, by Chang Li-kuo, 5 pp.  
CHINESE, per, Ti-li Chih-shih, No 12, 1959,  
pp 558-560.

JPRS 3717

Preliminary Achievements in Economic Cooperation  
Work in Heilungkiang Province, by Mao Wen-ch'iu,  
7 pp.  
CHINESE, per, Ti-li Chih-shih, No 1, 1960,  
pp 10-12, 18.

JPRS 3717

The Development of Geography in China, by  
Bohdan Kikolski, 5 pp.  
POLISH, per, Przegląd Geograficzny, Vol XXXI,  
No 1, 1959, pp 152-157.

JPRS 3615

The Travels of Polish Geographers in China,  
by Stanislaw Leszczycki, 5 pp.  
POLISH, per, Przegląd Geograficzny, Vol XXXI,  
No 1, 1959, pp 219-224.

JPRS 3615

Far East  
Sociological

Do Not Marry Too Early, 3 pp.  
CHINESE, per, Chung-kuo Ching-nien, No 4,  
1957, p 9.

AID SIR 3316

Early Marriage Among Young Students, 3 pp.  
CHINESE, per, Chung-kuo Ching-nien, No 4,  
1957, p 10.

AID SIR 3320

Answers to Some Questions of Common Sense  
in Buddhism, (DC-3872).  
CHINESE, per, Hsien-tai Fo-hsueh, No 1, 1960.

\*JPRS

Some Questions Relating to Food, Nutrition  
and Health in Public Messhalls of People's  
Communes, by Pao Hsi-ch'ing, 10 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 13.

JPRS 2908

Our Public Messhalls Become Better and Better,  
by I Jui-sheng, 9 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 13.

JPRS 2908

Organize the People's Life Comprehensively  
With the Messhall as the Center, by Liu  
Tzu-hou, 15 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 13.

JPRS 2908

The Study of Place Names Should Be Developed  
as a New Subject of Research, by Tseng Shih-  
ying, 11 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 13.

JPRS 2908

The Correct Path in the Development of  
Mathematics in China, by Hua Lo-keng, Su  
Pu-ch'ing, Ch'en Chien-kung, Chiang Tse-han,  
9 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 14.

JPRS 2908

The Technical Reform of Sparetime Education,  
by Mao I-sheng, 8 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 14.

JPRS 2908

Far East  
Sociological (Contd)

The Study of Mao Tse-tung's Thought, by Tan Chia-chen, 10 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 17.

JPRS 2908

Supporting Agriculture Is a Major Task for Educational Workers, by Yang Hui-an, 8 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 17.

JPRS 2908

Struggle for the Development of the Proletarian Drama, by Hsiung Fo-hsi, Sun Wei-shih, Ch'en Chi-tung, Yu Lan, 8 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 17.

JPRS 2908

Develop Sparetime Education to Transform Workers and Peasants Into Intellectuals, by Chang Chu-kun, 9 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 18.

JPRS 2908

Implement the Spirit of Formal Education to Develop the Studies for Self-Remolding, by Liu Ching-yang, 14 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 20.

JPRS 2908

The Brilliant Victory of the Party's Educational Policy, by Liu En-lan, Chou Ming-chi, Hsu Chieh-fan, Sun Pen-huang, Lu Ching-chun, Chang Shu-tsu, 23 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 21.

JPRS 2908

New Situation Emerges in Educational Enterprises, by Chin Tung-yin, 11 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 23.

JPRS 2908

A New College of Bridge Engineering, by Ku Mou-hsun, 10 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 24.

JPRS 2908

Far East  
Sociological (Contd)

Hunan University in the Leap Forward, by  
Ch'en Yun-chang, 8 pp.  
CHINESE, np, Jen-min Jih-pao, 11 Apr 1960,  
p 24.

JPRS 2906

Harbin Industrial University Joins Technological  
Revolution, 4 pp.  
CHINESE, np, Kuang-ming Jih-pao, 14 Mar 1960,  
p 2.

JPRS 3684

Energetically Support Spare Time Education  
for Employees, Quickly Develop Technological  
Capability, 11 pp.  
CHINESE, np, Kuang-ming Jih-pao, 14 Mar 1960,  
p 2.

JPRS 3684

Lt Col Sitompul H. T., 4 pp.  
INDONESIAN, np, Bulletin Legiun Veteran,  
25 Jan 1960, p 3.

JPRS 5302

King Djundjungan Lubis, by Pm. Sjahry, 3 pp.  
INDONESIAN, np, Mimbar Umum, Medan, 10 Apr  
1960, p 4.

JPRS 5302

King Sjahnan, by S. Gus, 4 pp.  
INDONESIAN, np, Mimbar Umum, Medan, 10 Apr  
1960, p 4.

JPRS 5302

R. P. Natigor Lumbantobing, by Pm. Sjahry,  
4 pp.  
INDONESIAN, np, Mimbar Umum, Medan, 1 May  
1960, p 4.

JPRS 5302

Higher Education in Communist China, 65 pp.  
JAPANESE, monograph, Kakkokh no Koto Kyoiku  
IV, Vol IV, 1958, pp 95-131.

JPRS 5127

Technological Standard of Communist China,  
8 pp. ID 2139710  
JAPANESE, per, Tairiku Mondai, Mar 1960.

USACRAPAC, PD  
Tr No 101465

Peoples of China, Mongolian People's Republic  
and Korea, by Solomon Il'ich Bruk, 51 pp.  
RUSSIAN, bk, Naseleniye Kitaya, MNR i Korei,  
1959, pp 1-43.

JPRS 3710

Tibetan Nationals and Ethnic Groups of the  
People's Republic of China, by Yu. I.  
Zhuravlev, (DC-4281).  
RUSSIAN, per, Sovet Etnografiya, No 5, 1959,  
pp 71-92.

\*JPRS



WESTERN EUROPE

Economic

Position of the French Automobile Industry  
in Europe, 8 pp.

FRENCH, per, L'Usine Nouvelle, No 40, 1 Oct  
1959, pp 29, 30.

ACSI H-6558  
ID 2127620

The Domingos da Veiga Soares Viaduct, 15 pp.  
PORTUGUESE, per, Rodovia, No 219, May 1958,  
pp 17-20c, 44. TIA 69924

ACSI H-6392  
ID 2147192

The Lucio Maria Motor Highway Br 57, 15 pp.  
PORTUGUESE, per, Rodovia, No 221, 1958,  
pp 23-37. TIA 69924

ACSI H-6403  
ID 2147207

The Der-Pe Has Opened to Traffic the Tussas  
Br 25, 6 pp.  
PORTUGUESE, per, Rodovia, No 223, Sep 1958,  
pp 17-22.

ACSI H-6377  
ID 2147206

A. The Natural Road and Highway Fund; B.  
The Basic Priority Highway Net of the North-  
east, 27 pp.  
PORTUGUESE, per, Rodovia, No 229, Mar 1959,  
pp 28-38.

ACSI H-6419  
ID 2146536

Western Europe  
Political

Report by Raymond Guyot on African Situation,  
(DC-3801/15).

FRENCH, per, France Nouvelle, 6 Jul 1960,  
pp 13-15.

\*JPRS

Austro-British Judicial Assistance Agree-  
ment of 31 March 1931, 9 pp.

GERMAN, per, Encl 2 to Desp No 1525, AmEmbassy,  
Vienna, 29 Jun 1960.

Dept of State  
4443814

The Ninth Congress of the Italian Communist  
Party, by Antonio d'Ambrosio, (DC-3801/16).

ITALIAN, per, Corrispondenza Socialista,  
Vol I, No 1, 1960, pp 11-19.

\*JPRS

Italian Communist Party and Italian Socialist  
Party Relations; Relations Between CPSU and  
CCP, by Antonio d'Ambrosio, (DC-3801/16).

ITALIAN, per, Corrispondenza Socialista,  
Vol I, No 5, 1960, pp 14-20.

\*JPRS

Western Europe  
Military

Belgium Organization and Mission of Belgian Gendarmerie.

FRENCH, bk, La Gendarmerie Ses Origines, Son Organisation, Ses Mission, Incl to R-20-60.

ACSI H-6328  
ID 2141594

C. Practical Guide to Pacification for the Use of Commanders of Company Defense Areas. FRENCH, rpt, Guide Pratique de Pacification a l'Usage des Commandants de Sous-Quartier.

\*525th MI Gp H-6996

D. Anti-Guerrilla Training in the Plan for the Maintenance of Order in French North Africa.

FRENCH, rpt, Instruction Contre-Guerilla Dans Le Cadre Du Maintien De L'Ordre En A.F.N.

\*525th MI Gp H-6996

Special Instruction for Anti-Guerrilla Warfare. FRENCH, rpt, Instruction Specialisee de Contre Guerilla, Vol II, III, 1958.

\*525th MI Gp H-6996, A, B

Fifteen Seconds Were Sufficient to Almost Level a Cheerful City of 50,000 Inhabitants, by Simone Meckert, 8 pp.

FRENCH, rpt, Quinze Secondes ont Suffi Pour Reduire a Neant une Ville Riante de 50,000 Habitants de Notre Envoyee Speciale, Feb 1960, pp 10, 12, 16.

ACSI H-6915  
ID 2147185

The Civilian Version of the Short-Run Take-Off Plane Brequet 941.

FRENCH, per, L'Air, Order No 21033, Work Order No 4.

ACSI H-6411  
ID 2145057

French Army Organization, 17 pp.

FRENCH, per, L'Armee, No 2, Mar 1960, pp 49-57.

ACSI H-6343  
ID 2147216

From Man to Man, the Quartermaster Service, 9 pp.

FRENCH, per, Forces Francaises, No 12, Apr 1960, pp 60-74.

ACSI H-6555  
ID 2144875

Western Europe  
Military (Contd)

Current Military Problems, by Austrian Defense  
Minister Graf, 4 pp.  
GERMAN, rpt, 24 Mar 1960.

ID 2139569

Italian Army Corps Artillery, 14 pp.  
ITALIAN, rpt, 22 Dec 1958.

ID 2142924

Provisions Governing Tour of Duty of Military  
Personnel Overseas, 17 pp.  
PORTUGUESE, per, Diario do Governo, No 94,  
22 Apr 1960.

ID 2142754

Geographic

The Permanent Committee for the Orthography  
of Geographic Names, by E. Maynen, (DC-4266).  
GERMAN, per, Kartographische Nachrichten,  
No 1, 1960.

\*JPRS

New Drafts by the West German Ministry of  
Justice for the Copyright Reform, by W.  
Kost, (DC-4266).  
GERMAN, per, Kartographische Nachrichten,  
No 1, 1960, pp 11-18.

\*JPRS

Definition of Italo-Swiss Boundary and  
Information on the Work Done by the Commis-  
sions Concerned With Determining and Main-  
taining the Frontier, by Arnaldo Marchesi,  
(DC-4297).  
ITALIAN, per, L'Universo, Vol XL, No 2, 1960,  
pp 279-300.

\*JPRS

Western Europe  
Sociological

Handwriting Analysis Reporting, (An Inquiry),  
by Pietro Fredas, (DC-4242).  
ITALIAN, rpt, Criminologia, pp 119-128.

\*JPRS

The Signature and Its Geometrical Projection --  
A New Process in Expert Analysis (Reprod. by  
Permission From Revue Internationale de Police  
Criminelle, February 1959), (DC-4242).  
FRENCH, rpt, Criminologia, pp 129-139.

\*JPRS

Handwriting Analysis Report, by Emilio  
Oggioni, (DC-4242).  
ITALIAN, rpt, Criminologia, pp 140-145.

\*JPRS

## LATIN AMERICA

### Economic

Convention for Shrimp Conservation Between  
the United States and Cuba, Signed on  
15 August 1958, 4 pp.  
SPANISH, rpt, Encl 2 to Desp No 176, AmEmbassy,  
Havana, 20 Jul 1960.

Dept of State

Bond Issue and Organizational Changes  
Resulting From Dissolution of Bandas, 4 pp.  
SPANISH, rpt, Encl 2 to Desp No 177, AmEmbassy,  
Havana, 20 Jul 1960.

Dept of State  
4312063

Cuban-Czechoslovakian Agreements Signed on  
10 June 1960 in Havana, 15 pp.  
SPANISH, rpt, Encl 2, 4, 6, 8 to Desp No 184,  
AmEmbassy, Havana, 21 Jul 1960.

Dept of State  
4312101

Report on Bay Reconstruction and Port Additions  
in Montevideo.  
SPANISH, rpt, Encl to Desp No 1035, Montevideo,  
pp 4, 13, 14.

ACSI H-6797, b  
ID 2147209

Longshoreman's Regulations.  
SPANISH, rpt, Encl to Desp No 1035, Montevideo,  
pp 4, 13, 14.

ACSI H-6797, c  
ID 2147209

Coasting Trade.  
SPANISH, rpt, Encl to Desp No 1035, Montevideo,  
pp 4, 13, 14.

ACSI H-6797, d  
ID 2147209

Financial Agreement Between Argentina and  
French and German Banks, 8 pp.  
SPANISH, rpt, Encl to Desp No 1826, AmEmbassy,  
Buenos Aires, 22 Jun 1960.

Dept of State  
4605891

### Political

Laws and Decrees in the Creation and Functioning  
of the Free Zones of Colonia and Nueva Palmira.  
SPANISH, rpt, Desp No 1035, Montevideo,  
pp 4, 13, 14.

ACSI H-6797 a  
ID 2147209

Politics and Contradictions in the Plans of  
UNESCO, by Cesar Godoy Urrutia, 6 pp.  
SPANISH, per, Educadores Del Mundo, No 14,  
1959, pp 20-23.

JPRS 3768

Latin America  
Military

Chilean Naval Shipyards Reorganization, 9 pp.  
SPANISH, rpt, Santiago, 11 Jul 1960.

Navy/ONI 5098351

Uniforms and Insignia Armed Forces of Honduras,  
41 pp.  
SPANISH, rpt, Encl to Rpt 90-52, Reglamento.

ACSI H-6726  
ID 1100294

The Venezuelan Joint Chiefs of Staff and  
the Signal Corps, by Mazzei Ramirez, 8 pp.  
SPANISH, per, Fuerzas Armadas de Venezuela,  
No 160, 161, 162, Oct/Dec 1959, pp 40-44.

USASIA, ACSI H-6702

Signal Security and Its Military Importance,  
by Jose Evaristo Ramirez Ramirez, 4 pp.  
SPANISH, per, Revista del Ejercito, No 6,  
Jan/Feb 1960, pp 45-49.

USASIA, ACSI H-6703

Opening of Signal Corps Courses, 9 pp.  
SPANISH, per, Revista Transmisiones,  
Vol XXI, No 123, pp 3-7.

USASIA, ACSI H-6786

Opening of Courses and Graduation at the  
Army Signal School and at Cirot, 5 pp.  
SPANISH, per, Revista Transmisiones,  
Vol XXIII, No 135, Feb 1959, pp 4, 5.

USASIA, ACSI H-6787

Sociological

Reports Given at the CEA Seventh Congress  
and Theses Adopted at Previous Congress,  
96 pp.  
SPANISH, doc.

JPRS 3466

Seventh American Congress of Educators --  
Conclusions, Decisions, and Resolutions,  
33 pp.  
SPANISH, rpts, Lima, 26-31 Jan 1960, pp 1-42.

JPRS 3549

A Group of American Educators Hold Their  
Seventh Assembly (The First of the Confederation  
of American Educators), 24 pp.  
SPANISH, doc, Oficina Nacional de Educacion  
Catolica, Lima, Feb 1960, 3 pp.

JPRS 3618

Newspaper Clippings on "International Seminar  
of Educators, San Jose, 21-26 May 1960," 4 pp.  
SPANISH, np.

JPRS 3633

WORLD WIDE

Political

Selected Translations on International  
Communist Developments, (DC-3801/17).  
ITALIAN, FRENCH, FINNISH, np, per, 1960.

\*JPRS



SCIENTIFIC

Aeronautics

Components of Aviation Automatic Devices,  
by S. P. Kolosov, 588 pp.

RUSSIAN, bk, Elementy Aviatsionnykh Avtomati-  
cheskikh Ustroystv, Moscow, 1958, 382 pp.

ATIC MCL-111/V

Communication Concerning Scientific Works in  
the Field of Geomagnetism and Aeronomy.

RUSSIAN, bk, Soobshcheniye o Nauchnykh Robotakh  
po Geomagnetizmu i Aeronomii 1957-1959 gg.,  
1960, 155 pp.

\*NASA

Developments at the Scientific Research Institute  
of Aircraft Materials, 5 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 104, 105.

ATIC MCL-515/III

Developments in the All-Union Scientific Research  
Institute for Aircraft Materials, by F. V.  
Aksenov, 7 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 113-115.

ATIC MCL-516/III

Competitions in Helicopter Flying, 3 pp.

RUSSIAN, per, Kryl'ya Rodiny, No 12, 1959,  
p 13.

AF 1419530

Test Pilot Kovalev Tests a New High-Speed  
Bomber, 5 pp.

RUSSIAN, np, Sovet Aviatsiya, 22 Jun 1957,  
p 2.

AF 1419575

Concerning the Design of Hypersonic Rocket-  
Planes.

RUSSIAN, np, Sovet Aviatsiya, No 189, 1959.  
654574

ATIC MCL-385/V

Problems Which Will Have To Be Solved.

RUSSIAN, np, Sovet Aviatsiya, No 189, 1959,  
654574

ATIC MCL-385/V

Hypersonic Rocket Planes.

RUSSIAN, np, Sovet Aviatsiyz, No 189,  
1959. 654574.

ATIC MCL-385/V

Scientific  
Aeronautics (Contd)

Prevention and Removal of Icy Glaze  
From Airdromes, 3 pp.  
RUSSIAN, np, Sovet Aviatsiya, 12 Jan  
1960, p 2.

AF 1419546

Soviet Test-Pilots in a Near-Tragic Mishap,  
5 pp.  
RUSSIAN, np, Sovet Aviatsiya, 14 Feb 1960,  
p 4.

AF 1419561

Taking Off Vertically, by L. Gil'berg.  
RUSSIAN, per, Znaniye-Sila, No 4, 1960,  
pp 34-36.

\*ATIC MCL-701/4

Partenavia P-57-1 "Fachiro" Airplane, 3 pp.  
FRENCH, per, Air Revue, Oct 1958, p 562.

ACSI H-3386  
ID 2144859

Scientific  
Astronomy

A Comparison of Meteor Activity  
During the IGY Period to Visual,  
Radar, and Telescope Observations  
at Ashkhabad, by I. S. A. Sapovich,  
(NY-4706).

RUSSIAN, per, Astron Tsirkulyar, No 200,  
1959, pp 22-26.

\*JPRS

Registration of Dispersed Light by Photometry  
of Solar Formations, by T. V. Krat, 16 pp.  
RUSSIAN, per, Astron Zhur, Vol XXV, No 5,  
1948, pp 316-326.

ATIC MCL-60/V

Two-Channel Polarimeter, 3 pp.  
RUSSIAN, per, Astron Zhur, Vol XXXVI,  
No 6, 1959, pp 1094-1110.

AID SIR-3380

Ionized Meteor Trail, 3 pp.  
RUSSIAN, per, Astron Zhur, Vol XXXVII, No 1,  
1960, pp 111-114.

AID SIR-3431

Conference on Problems of Mathematical Theory  
of Motion of Artificial Celestial Bodies, by  
Ye. A. Grebenikov, 29 pp.  
RUSSIAN, per, Astron Zhur, Vol XXXVII, No 2,  
1960, pp 362-368.

JPRS 5247

The Mass of the Sun in the Era of Planet  
Formation, by V. Krat, 6 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, No 3,  
1954, pp 481-484.

ATIC MCL-77/III

Third Congress of the All-Union Astronomical-  
Geodetic Society, (DC-4340).  
RUSSIAN, per, Geodez i Kartog, No 5, 1960,  
pp 6-10.

\*JPRS

Under Lunar Conditions, 3 pp.  
RUSSIAN, per, Ogonek, No 39, 1959, p 7.

AF 1419558

New Radio Telescope, 4 pp.  
RUSSIAN, per, Radiotekh i Elektron, No 12,  
1957, pp 1548, 1549.

AID SIR-3388

Scientific  
Astronomy (Contd)

The Selection of an Observation Site for the  
Study of the Solar Atmosphere, by M. G.

Karimov, 9 pp.

RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR,  
No 1 (118), 1955, pp 54-59.

ATIC MCL-83/III

Comet Tails and Solar Corpuscular Radiation,  
by L. Biermann, 19 pp.

GERMAN, per, Z Astrophys, Vol XXIX, 1951,  
pp 274-286.

AEC UCRL Tr-511(L)

Scientific  
Biology

Biological Warfare, by T. Roshnyastovskiy, Z. Zhultovskiy, 477 pp.  
RUSSIAN, bk, Biologicheskaya Voyna, 1959,  
pp 1-330.

JPRS 5229

The Preparation of the Brucella Phage and the Determination of Some of Its Properties, by E. G. Mamatsashvili, (DC-4241).  
RUSSIAN, bk, Sbornik Trudov Mezhnstitutskoy Nauchnoy Konferentsii Bakteriofagiya, Vol V, 1955, pp 327-332.

\*JPRS

Some Problems of Morphology in the Light of V. I. Lenin's Work "Materialism and Empiriocriticism," by M. G. Prives, (NY-4716).  
RUSSIAN, per, Arkhiv Anatomii, Gistologii, i Embriologii, Vol XXXVIII, No 5, 1960, pp 94-103.

\*JPRS

Observations on Absorbing Roots of Spruce (*Picea Excelsa* Link) in Natural Conditions, by A. Ya. Orlov, 16 pp.  
RUSSIAN, per, Botan Zhur, Vol XLII, No 8, 1957, pp 1172-1181.

OTS 60-21109  
PL 480

V. I. Lenin and Biological Science, by S. A. Razumov, (NY-4715).  
RUSSIAN, per, Botan Zhur, Vol XLV, No 4, 1960, pp 473-479.

\*JPRS

The Biochemical Evolution of Angiosperms, by A. V. Blagoveshchenskiy, 30 pp.  
RUSSIAN, per, Botan Zhur, Vol XLV, No 4, 1960, pp 480-491.

JPRS 5092

The Effect of Gibberellin on the Growth and Yield of Hemp and Tobacco, by M. Kh. Chaylakhyan, V. G. Kochankov, V. P. Zamota, (NY-4717).  
RUSSIAN, per, Fiziol Rasteniy, Vol VII, No 3, 1960, pp 340-343.

\*JPRS

Effect of Gibberellic Acid on Various Varieties of Grapes, by T. G. Katar'yan, M. A. Drboglav, M. V. Davydova, (NY-4717).  
RUSSIAN, per, Fiziol Rasteniy, Vol VII, No 3, 1960, pp 345-348.

\*JPRS

Scientific  
Biology (Contd)

Effect of Gibberellic Acid on Fructification of Varieties of Grape Plants Possessing a Functionally-Female Type of Flower, by M. K. Manankov, (NY-4717).

RUSSIAN, per, Fiziol Rasteniy, Vol VII, No 3, 1960, pp 350-354.

\*JPRS

Acceleration of Flowering on Short Day Plants Treated With Gibberellin, by V. I. Rasumov, (NY-4717).

RUSSIAN, per, Fiziol Rasteniy, Vol VII, No 3, 1960, pp 354-357.

\*JPRS

Aerosol for Microdispersion Dust, by A. M. Donat.

RUSSIAN, per, Gig i San, No 7, 1953, pp 52-54.

\*USDA

Effect and Results of Ionizing Radiations of Cobalt-60 on the Growth Development, and Yielding Capacity of Cotton, by R. E. Yeyubov.

RUSSIAN, per, Iz Ak Nauk Azerbaydzhan SSR, No 5, 1959, pp 28-39. 9057401

USDA

The Composition and Classification of Nucleic Acids, by A. N. Belozerskiy, A. S. Spirin, 39 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXV, No 1, 1960, pp 64-81.

JPRS 2818

Potentiality of One Mu [1 Mu is 1/15 of a Hectare (China)], by P. A. Baranov.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXV, No 1, 1960, pp 82-97. 9057425

USDA

Isoelectric Point of Cytoplasm and Nuclear Elements of Actinomyces Streptomycini Kras, by A. A. Prokofyeva-Bel'govskaya, G. N. Kapitonova.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXV, No 1, 1960, pp 122-128. 9057427

USDA

Scientific  
Biology (Contd)

Effect of Gibberellin Upon the Tobacco  
Mosaic Virus, by M. I. Goldin, N. G.

Lepidus.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol,  
Vol XXV, No 1, 1960, pp 129-131. 9057426

USDA

Further Advances of Agriculture and Biological  
Science in the USSR.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 2,  
1960, pp 161-176. 9057424

USDA

Wheat Mycorrhiza and Its Importance for Growth  
and Development of the Plant, by E. P.  
Kurushcheva.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 2,  
1960, pp 230-239. 9057430

USDA

"Milky" Diseases of Caterpillars of the  
Siberian Silkworm, by A. D. Gukasian.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 2,  
1960, pp 291-293. 9057428

USDA

Scientific Conference Devoted to the Great  
Works of Darwin and Lamarck, by Kh. F. Kushner.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 2,  
1960, pp 313-316. 9057429

USDA

Method for Bacteriological Investigation of  
the Upper Layers of the Atmosphere, by Ya. G.  
Kishko.

RUSSIAN, per, Lab Delo, Vol V, No 5, 1959,  
p 37.

\*USDA

X-Ray Diffraction Method of Evaluation of  
Seed Contamination by Insects, by M. I.  
Shevchenko.

RUSSIAN, per, Sbornik Rabot, Leningrad Inst  
Prik Zool i Fitopatol, Vol II, 1953,  
pp 33-39. 9057421

USDA

The Role of Pressure Fluctuations in the Cavity  
System of the Udder in the Stimulation of Milk  
Secretion, by G. E. Tverskoy.

RUSSIAN, per, Trudy Inst Fiz Imeni I. P. Pavlova,  
Vol IV, 1955, pp 68-74.

DSIR LIJ RTS 1249

Scientific  
Biology (Contd)

Immunology of Growth and Development of Cells and Tissues -- a New Chapter in Biology, by N. N. Zhukov-Verezhnikov, R. V. Petrov.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLVII, No 2, 1959, pp 235-254. 9057440

USDA

Some Problems of the Interconnection of the Biosynthesis of Protein and Nucleic Acids, by V. S. Tongur, 50 pp.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLIX, No 2, 1960, pp 156-173.

JPRS 5329

The Structural Interrelationships of Muscular Proteins During the Contraction of the Striated Muscles, by B. F. Poglazov, 48 pp.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLIX, No 2, 1960, pp 183-199.

JPRS 5330

Results of the First Conference on Nucleic Acids and Nucleoproteins, by N. V. Bogoyavlenskaya, 28 pp.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLIX, No 2, Mar/Apr 1960, pp 265-271.

JPRS 5144

Heterosis of Agricultural Plants, by P. M. Zhukovskiy.

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV, No 8, 1959, pp 9-19. 9057399

USDA

Methods of Feeding Fish in Ponds and Their Effectiveness, by F. M. Sukhoverkhov.

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV, No 8, 1959, pp 58-67. 9057400

USDA

Some Problems of Drying Bio-Preparations by the Pulverizing Method, by E. E. Nikitin.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 1, 1960, pp 54-60.

\*USDA

Effective Control Measures for Virus Diseases of Potatoes, by S. M. Bukasov.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 2, 1960, pp 19-23.

\*USDA



Scientific  
Biology (Contd)

Improvement of the Fertility of the Sub-Arable Layer of Turf -- Podsol Soils, by I. B. Revut, I. I. Kochurova.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 4, 1960, pp 31-37.

\*USDA

Specific Features of Forest Seed-Growing, by V. V. Ogyevskiy.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 4, 1960, pp 92-95.

\*USDA

Obtaining the Unmixed Progeny of Two Males From One Female of the Bombyx Mori, by V. A. Strumnikov.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 4, 1960, pp 126-128.

\*USDA

Aerial Dusting in the Control of Ticks, by M. D. Krasnov.

RUSSIAN, per, Voyenno-Med Zhur, No 8, 1959, p 42.

\*USDA

For Further Technical Progress.

RUSSIAN, per, Zashchita Rast, Vol IV, No 5, 1959, pp 1-3. 9057403.

USDA

Urgent Questions in Phytohelminthology, by A. A. Paramonov.

RUSSIAN, per, Zashchita Rast, Vol IV, No 6, 1959, pp 25-28. 9057406

USDA

Problems of General and Agricultural Virology, by K. S. Sukhov.

RUSSIAN, per, Zashchita Rast, Vol V, No 1, 1960, pp 18-22. 9057418.

USDA

Scientific  
Biology (Contd)

Prognosis for 1960, by I. Ya. Polyakov.  
RUSSIAN, per, Zashchita Rast, Vol V,  
No 1, 1960, pp 30-33. 9057415.

USDA

Grain -- The Leading Problem of VIZR (All-  
Union Institute of Plant Protection), by  
I. M. Polyakov.

RUSSIAN, per, Zashchita Rast, Vol V, No 1,  
1960, pp 39-41. 9057416

USDA

Concerning the Overwintering of Phytophthora  
of Potatoes and Tomatoes, by N. F. Yurova.

RUSSIAN, per, Zashchita Rast, Vol V, No 2,  
1960, pp 29-31. 9057420

USDA

Prognosis of Coniferous Leaf Eating Pests of  
Forests, by G. O. Golyato.

RUSSIAN, per, Zashchita Rast, Vol V, No 2,  
1960, pp 41-45. 9057422

USDA

Utilization of Radioactive Isotopes for Tagging  
Insects, by S. V. Andreyev, V. A. Molchanova,  
B. K. Martens.

RUSSIAN, per, Zashchita Rast, Vol V, No 2, 1960,  
pp 45-47. 9057423

USDA

Development of Field Crop Diseases in 1959,  
by K. M. Stepanov, A. E. Chumakov, A. F.  
Korshunova, G. A. Kpzyreva.

RUSSIAN, per, Zashchita Rast, No 6, 1960,  
pp 41-45.

\*USDA

Rogor, a New Systemic Insecticide, by N. E.  
Mel'nikov.

RUSSIAN, per, Zashchita Rast, No 6, 1960,  
p 52.

\*USDA

Survey of the Distribution and Forecast of  
the Appearance of Pests in 1960, by V. N.  
Shchegolev.

RUSSIAN, per, Zashchita Rast, No 6, 1960, pp  
55-57.

\*USDA

Scientific  
Biology (Contd)

Disorders in the Higher Nervous Activity  
in White Mice in Case of Acute Intoxica-  
tion With Dimethylamido-Ethoxy-Phosphoxyl-  
cyanide (Tabun), by G. Kotev.

BULGARIAN, per, Voyenno Med Delo, Vol IV,  
1959.

ID 2125282  
\*ACSI H-7071

The Occurrence and Distribution of the  
Larvae of Trombicula Akamushi Var. Deliensis  
as Related to the Epidemiology of Tsutsuga-  
mushi, by Hsu Ping-k'uen, Su K'e-ch'in,  
Ch'en Hsin-t'ao, 15 pp.

CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII,  
No 1-2, 1959, pp 1-9.

JPRS 5233

Studies on the Morphological Differences of  
Two Types of Trombicula Deliensis and the  
Transovarian Transmission of Rickettsia  
Orientalis, by Yu En-shu, Wu Hsi-yi, 12 pp.  
CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII,  
No 1-2, 1959, pp 10-14.

JPRS 5233

Initial Report on the Application of the  
Hemagglutination Test in the Early and Rapid  
Diagnosis of Dysentery, by Wu K'ai-yu, Cheng  
Kuo-k'uei, 12 pp.  
CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII,  
No 1-2, 1959, pp 88-92.

JPRS 5233

Observation on the Reversion of Atypical  
Dysentery Bacilli to Typical Form, by Kung  
T'ien-en, 6 pp.

CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol  
VII, No 1-2, 1959, pp 103-107.

JPRS 5233

Tests on Resistance of Local Strains of  
Dysentery Bacilli to Common Drugs, by Yeh  
Yu-lin, T'ang Jen-fang, 3 pp.

CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII,  
No 1-2, 1959, pp 128-131.

JPRS 5233

Scientific  
Biology (Contd)

First Conference at the "L'vovsel'mash"  
Factory.

RUSSIAN, per, Zashchita Rast, No 6, 1960,  
p 62.

\*USDA

Airplanes and Surface Equipment on Best  
Fields, by M. E. Tiutiunnik.

RUSSIAN, per, Zashchita Rast, No 7, 1960,  
pp 6-8.

\*USDA

Helicopter KA-15 in Agriculture, by M. B.  
Malinovskiy.

RUSSIAN, per, Zashchita Rast, No 7, 1960,  
pp 15, 16.

\*USDA

Decreasing Phytophthora Infection in Potatoes,  
by R. A. Bogoyavlenskaya.

RUSSIAN, per, Zashchita Rast, No 7, 1960,  
pp 21-23.

\*USDA

Means of Further Improvement of the Fore-  
casting Service, by I. Ya. Polyakov.

RUSSIAN, per, Zashchita Rast, No 7, 1960,  
pp 36-38.

\*USDA

At the Section of Agricultural Entomology  
of the Fourth Congress of the All-Union  
Entomological Society (A Survey of Reports),  
by V. V. Yakhontov.

RUSSIAN, per, Zashchita Rast, No 7, 1960,  
pp 55-59.

\*USDA

Determining the Age of Pine-Martens, by  
P. B. Yurgenson.

RUSSIAN, per, Zool Zhur, Vol XXXV,  
No 5, 1956, pp 781-783.

DSIR LLU RTS 1496

The Status and Achievements of Biological  
Science in the People's Republic of Hungary,  
by N. V. Turbin, V. Ye. Bormotov, 11 pp.

BELORUSSIAN, per, Vest Ak Nauk BSSR, Ser  
Biyalogichnykh Navuk, No 1, 1960, pp 130-139.

JPRS 5293

Scientific  
Biology (Contd)

Studies on the Metabolism of Shigella, I. The Oxidation, Decarboxylation, and Deamination of Amino Acids by Shigella Flexneri, 2a, by Liang Yeh-k'ai, Chang K'uan-hou, 14 pp.  
CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII, No 4, 1959, pp 330-335.

JPRS 5058

Studies on the Metabolism of Shigella, II. Growth and Manometric Studies on the Utilization of Carbohydrates and Their Intermediate Metabolites by Shigella Flexneri 2a, by Liang Yeh-k'ai, Chang K'uan-hou, 9 pp.  
CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII, No 4, 1959, pp 336-339.

JPRS 5058

The Combined Inhibitory Effect of Chloromycetin and Bacteriophage on Salmonella Typhose, by P'eng Jen-lin, 5 pp.  
CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII, No 4, 1959, pp 353-359.

JPRS 5058

Studies in Rickettsia Tsutsugamushi Found in Blood of Experimentally Infected Animals, by Chi Jui-ting, 10 pp.  
CHINESE, per, Wei-sheng-wu Hsueh-pao, Vol VII, No 4, 1959, pp 370-373.

JPRS 5058

A. Acute Toxicity of Armin (Ethyl-Ethoxyphosphoxyl p-Nitrophenolate) in White Mice, by V. Vojvodic, M. Stevanovic, Z. Binenfeld, K. Baryla.  
SERBIAN, per, Vojnosanitetski Pregled, Vol XVII, No 4, 1960, pp 400-402.

\*ACSI H-6991  
ID 2146532

B. Contributory Remarks on the Effects of LSD-25 Administration in Dogs, by D. Jovanovic, E. Kandic, T. Kronja.  
SERBIAN, per, Vojnosanitetski Pregled, Vol XVII, No 4, 1960, pp 419-425.

\*ACSI H-6991  
ID 2146532

Scientific  
Biology (Contd)

Construction, Starting Up, and Preliminary Testing of an Apparatus for the Culture of Chlorella Algae in a Closed System, by Hans Swensson.

SWEDISH, paper, Prepared at the Institution for Zymology, 15 Sep 1959.

Navy 2592/ONI 738

Third Conference on Problems of Phytoncides, by S. I. Zelepukha, 9 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 2, 1960, pp 235-237.

JPRS 5254

The Scientific Activity of the Institute of Botany of the Academy of Sciences Ukrainian SSR, in 1959, by H. I. Bilyk, 14 pp.

UKRAINIAN, per, Ukrains'kiy Botan Zhur, Vol XVII, No 2, 1960, pp 113-116.

JPRS 5135

Scientific  
Chemistry

The Chemistry of Fluorine and Its  
Inorganic Compounds, by I. G.  
Ryba, Part 1, 484 pp; Part 2, 376 pp.  
RUSSIAN, bk, Moscow, 1956.

AEC Tr-3927

Instability Constants of Complex  
Compounds, by K. B. Yatsimirskiy,  
V. P. Vasilev, 214 pp.  
RUSSIAN, bk, 1959.

CB

Borate Glasses, by L. Ya. Mazelev.  
RUSSIAN, monograph, 1960, 166 pp.

CB

Historical Essay and Modern Methods of In-  
halation Therapy, by I. I. Elkin.  
RUSSIAN, bk, Aerozoli Antibiotikov, Ikh  
Poluchenie i Klinicheskoe Promeneniye,  
Moscow, 1955, pp 5-29.

\*USDA

Aerosols, Their Characteristics and Methods  
of Measuring the Size and Number of Particles,  
by I. I. Elkin.  
RUSSIAN, bk, Aerozoli Antibiotikov, Ikh  
Poluchenie i Klinicheskoe Promeneniye, Moscow,  
1955, pp 30-43.

\*USDA

Passage of Aerosols Into the Lungs, Their  
Absorbability and Excretion. Dosimetry,  
by I. I. Elkin.  
RUSSIAN, bk, Aerozoli Antibiotikov, Ikh  
Poluchenie i Klinicheskoe Promeneniye, Moscow,  
1955, pp 44-54.

\*USDA

Technique of Production of Aerosol Antibiotics,  
by I. I. Elkin.  
RUSSIAN, bk, Aerozoli Antibiotikov, Ikh Poluchenie  
i Klinicheskoe Promeneniye, Moscow, 1955,  
pp 67-102.

\*USDA

Scientific  
Chemistry (Contd)

Short Course of Lectures on Organo-phosphorus Compounds, by P. V. Rodionov, (NY-4707).

RUSSIAN, bk, Kratkiy Kurs Lektsiy po Fosfororganicheskim Veshchestvam, 1959, pp 3-76.

\*JPRS

Soviet Developments in Information Processing and Machine Translation, (Some Problems of Scientific Information in Chemistry), by G. E. Vleduts, 61 pp.

RUSSIAN, monograph, Nekotoryye Voprosy Nauchnoy Informatsii v Oblasti Khimii, 1958, pp 1-78.

JPRS 3613

Surface Chemical Compounds and Their Role in Adsorption Phenomena, by A. V. Kiselev.

RUSSIAN, rpt, Poverkhnostnye Khimicheskie Soedineniya i Ikh Rol' v Yavleniyakh Adsorbtsii. Sbornik Trudov Konferentsii po Adsorbtsii, Posvyashchennoi 200-Letiyu Moskovskogo Gosudarstvennogo Universiteta imeni M. V. Lomonosova, 1855-1955, publ 1957, 367 pp. 9049948-C Reel 954.

AEC Tr 3750

On the Problem of the Reactions of the Elements With Their Oxides in the Weld Puddle, by K. V. Lyubavskiy.

RUSSIAN, per, Avtogennoye Delo, No 10, 1948, pp 30, 31.

\*HB 4861

The Effect of Carotene on the Photochemical Properties of Chlorophyll, by A. S. Krasnovskiy, N. N. Drosdova, E. V. Pakshina.

RUSSIAN, per, Biokhimiya, Vol XXV, 1960, pp 288-295.

\*AEC

The Theory of Detonation Spin, by Ya. B. Zel'dovich, (SF-1064).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXI, No 2, 1946, pp 147-150.

\*JPRS

The Boundary Diameters of Discharges of Chemically Homogeneous Explosive Substances, by V. K. Bobolev, (SF-1048).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVII, No 8, 1947, pp 789-792.

\*JPRS



Scientific  
Chemistry (Contd)

Character of Stopping the Detonation  
in Powdered Explosive Substances, by  
A. Ya. Apin, V. K. Bobolev, (SF-1048).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol  
LVIII, No 2, 1947, pp 241-244.

\*JPRS

The Effect of Pressure on the Velocity  
of Thermal Decomposition of Explosive  
Substances, by Yu. N. Ryabinin, (SF-1048).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII,  
No 2, 1947, pp 245-248.

\*JPRS

Conditions for the Genesis of Instability of  
Normal Combustion, by Ya. B. Zel'dovich, A. I.  
Bozlovskiy, (SF-1048).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, No 4,  
1947, pp 365-368.

\*JPRS

Three Limits of Ignition, by N. N. Semenov,  
(SF-1052).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXI,  
No 4, 1951, pp 645-648.

\*JPRS

The Principle of Static Friction, by S. B.  
Ratner, (SF-1043).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIII,  
No 3, 1952, pp 443-446.

\*JPRS

Effect of Rubber Fillers on the Coefficient  
of Static Friction, by S. B. Ratner, V. D.  
Sokol'skaya, (SF-1047).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVI,  
No 1, 1952, pp 121-124.

\*JPRS

The Abrasion Index of Rubber and Its Connection  
With the Coefficient of Friction, by S. B.  
Ratner, (SF-1047).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVII,  
No 5, 1952, pp 743-746.

\*JPRS

The Role of Roughness in Rubber Friction and  
the Law of Friction, by S. B. Ratner, (SF-1051).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIII, No 1,  
1953, pp 47-50.

\*JPRS

Scientific  
Chemistry (Contd)

**Effect of Ultrasonics Upon Carbohydrates,**  
by M. A. Khenokh, 7 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII,  
No 5, 1954, pp 871-874.

OTS 60-21125  
PL 480

**The Effect of Rubber Hardness on the Coefficient of Static Friction Without Lubrication,**  
by S. B. Ratner, V. D. Sokol'skaya, (SF-1049).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX,  
No 3, 1954, pp 431-434.

\*JPRS

**Magnetic and Thermal Properties of Three Modifications of Solid Oxygen,** by A. S. Borovik-Romanov, M. P. Orlova, P. G. Strelkov,  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, 1954,  
pp 699-702.

\*AEC

**An Effect in the Motion of Aerosol Particles,**  
by Ya. I. Kogan, R. S. Repina.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI,  
No 4, 1956, pp 851-854.

\*USDA

**The Distillation of Boron Trichloride,** by  
N. N. Sevriugova, O. V. Uvarov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI,  
No 5, 1959, pp 1044-1046.

\*ATIC MCL-698/V

**Analysis of a Mixture of the Dimethyl Esters of Benzene Dicarboxylic Acids by Means of Gas-Liquid Chromatography,** by R. Komers, V. Bazhant.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 6,  
1959, pp 1268, 1269.

DSIR LLU M.1567

**Synthesis of Conjugated Dinitrodiene,** by V. V. Perekalin, O. M. Lerner, 5 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1303-1305.

JPRS 3660

**Synthesis of Polymers Containing Inorganic Groups,** 3 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 5, 1960, pp 1106-1108.

ADU SIR-3450

Scientific  
Chemistry (Contd)

**Isomerization of Tetranitroalkanes, by**  
S. S. Novikov, A. A. Paynzil'berg, S. A.  
Shevelev, I. S. Korsakova, K. K. Babiye-  
vskiy, 6 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII,  
No 4, 1 Jun 1960, pp 846-849.

JPRS 3655

**First All-Union Conference of Institutions of  
Higher Learning on the Chemistry of Furan  
Compounds, by G. Z. Yakovenko, 3 pp.**  
RUSSIAN, per, Gid i Lesokhim Promy, No 1, 1960,  
p 30.

JPRS 3729

**Properties and Characteristics of Aluminum  
Explosives, by S. B. Ratner, (NY-4690).**  
RUSSIAN, per, Gornyy Zhur, Vol CXXI, No 5,  
1947, pp 21-25.

\*JPRS

**Simultaneous Liberation of Hydrogen and Zinc  
on Binary Cathodes in the Presence of Certain  
Surface-Active Substances, by G. Z. Kir'yakov,  
F. K. Bainyetova.**  
RUSSIAN, per, Iz Ak Nauk Kazakh SSR, Ser Khim,  
No 1, 13, 1958, pp 19-22.

DSIR LLU RTS 1418

**Magnetic Susceptibility of Complex Compounds of  
Trivalent Cobalt, by V. I. Belova, Ya. K. Syrkin,  
15 pp.**  
RUSSIAN, per, Iz Sektora Platiny i Drug Blagorod  
Metal, Inst Obshchei i Neirg Khim, Ak Nauk SSSR,  
Vol XXX, 1955, pp 109-119.

AEC Tr-4104

**Method of Studying the Chemical Heterogeneity of  
Steel Ingots, by S. Ya. Skoblo.**  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, Oct 1959, pp 181-183.

HB 4835

**Chemical Heterogeneity in Large Ingots of Semi-  
Killed Steel, by V. I. Lapitskin, et al.**  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, No 12, 1959, pp 49-56.

\*HB 4872

Scientific  
Chemistry (Contd)

Ways of Speeding Up the Deoxidation of  
Electric Steels, by V. P. Karasev, P. Ya.  
Ageyev.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, Dec 1959, pp 57-64.

\*HB 4866

A Summary of the Published Results for Thermal  
Diffusion in Gases, by A. G. Usmanov, et al.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Khim i  
Khim Tekh, Vol III, No 1, 1960, pp 8-13.

\*AEC

Investigation of the Vapor Phase Nitration of  
Cyclopentane Hydro-Carbons. III. Nitration of  
Propylcyclopentane, by M. A. Peredreyeva, Ya. I.  
Denisenko, S. S. Novikov, 6 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i  
Khim Tekh, Vol III, No 2, 1960, pp 312-315.

JPRS 3659

USSR Works in the Fields of Radiochemistry and  
Radiation Chemistry - Isotope Exchange, by  
A. I. Brodskiy, 86 pp.

RUSSIAN, per, Khim Nauk i Prom, Vol V, No 4,  
1959, pp 423-434.

JPRS 5253

Improvement in Fuel Testing; Determination of  
Cloud Point by Ultrasonics, 3 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 1,  
1960, pp 13-16.

AID SIR-3330

All-Union Conference on Organic Catalysis in  
Moscow, by Ye. I. Klabunovskiy, (SF-1055).

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 1,  
1960, pp 172-175.

\*JPRS

Effect of Coagulation of Colloidal Aluminum and  
Ferric Hydroxides Upon Changes in Their Surface  
Accessibility, by A. M. Koganovskiy.

RUSSIAN, per, Kolloid Zhur, Vol XIII, No 4, 1951,  
pp 283-288.

DSIR LIU RTS 1484

Simple Method of Determining the Dimensions of  
Aerosol Particles, by A. I. Maslov.

RUSSIAN, per, Lab Delo, Vol V, No 5, 1959,  
p 42.

\*USDA

Scientific  
Chemistry (Contd)

Conference on pH Measurements, by  
M. A. Portnov, 6 pp.  
RUSSIAN, per, Medit Prom SSSR, No 2,  
1950.

JPRS 2957

On the Technology of the Manufacture of  
Zirconia Products by Casting From Aqueous  
Suspensions, by G. P. Kalliga, V. A. Kolbasova.  
RUSSIAN, per, Nauch Dok Vyshey Shkoly, Khim i  
Khim Tekh, No 2, 1959, pp 386-389.

DSIR LIU RTS 1455

The Interaction of Liquid Phase and Crystalline  
Phases in the Formation of a Sintered Ceramic  
Body Containing Kaolinite and Quartz, by P. P.  
Budnikov, Kh. O. Gevorkyan.  
RUSSIAN, per, Ogneupory, Vol XV, No 7, 1950,  
pp 291-296.

DSIR LIU RTS 1463

The Structure and Properties of the System  $MgO-ZrO_2-SiO_2$ . II. Reactions in the Solid Phase  
and Sintering in the System  $MgO-ZrO_2-SiO_2$  and a  
General Summary of Investigations, by A. S.  
Berezhnoy, L. I. Karyakin.  
RUSSIAN, per, Ogneupory, Vol XVII, 1952, p 211.

DSIR LIU M.1149

Research Work on the Affect of Vibro-Milling  
on the Clinkering of Active Magnesium Oxide,  
by S. G. Tryesvyatskiy, 7 pp.  
RUSSIAN, per, Ogneupory, No 5, 1958,  
pp 229-233.

ACSI H-4309  
ID 2147187

Factors Influencing the Emanation Power of  
Synthetic Salts and of Minerals, by I. E.  
Starik, O. S. Melikova.  
RUSSIAN, per, Radiokhim, Vol I, 1959,  
pp 196-203.

\*AEC

Use of the Emanation Method to Study Processes  
Occurring in Heated Solids, by K. B. Zaborenko,  
A. M. Babeshkin, V. A. Beyevska.  
RUSSIAN, per, Radiokhim, Vol I, 1959, pp 336-345.

\*AEC

Scientific  
Chemistry (Contd)

Effects of Temperature on the Extraction of the Nitrates of Uranyl Pu, Ru, and Zr Into Tributyl Phosphate, by V. B. Shevchenko, et al.

RUSSIAN, per, Radiokhim, No 1, 1960, pp 6-12.

\*AEC

Effects of Temperature on the Extraction of Nitric Acid Into Tributyl Phosphate, by N. M. Adamakie, et al.

RUSSIAN, per, Radiokhim, No 1, 1960, pp 13-19.

\*AEC

The Structure of Uranyl Nitrate Hexahydrate, by V. M. Vdovenko, et al.

RUSSIAN, per, Radiokhim, No 1, 1960, pp 24-31.

\*AEC

Assessment of the Charge of a Multinuclear Coordination Ion of Ruthenium by Means of Ion Exchange, by A. A. Grinberg, et al.

RUSSIAN, per, Radiokhim, No 1, 1960, pp 78-82.

\*AEC

On Certain New Factors of Blood Coagulation in Patients With Impaired Coronary Circulation, by V. M. Panchenko, 4 pp.

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4, 1960, pp 36-38.

JPRS 5337

On Atherosclerosis of Systemic Circulation Arteries in Patients With Chronic Nontubercular Pulmonary Diseases, by V. S. Smolenskiy, 8 pp.

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4, 1960, pp 38-43.

JPRS 5338

Application of Chromatography to the Investigation of High Molecular Weight Fractions of Petroleum, by L. D. Melikadze, T. A. Elyava, 22 pp.

RUSSIAN, per, Trudy Inst Khim, Ak Nauk Grusinsko SSR, Vol XIII, 1957, pp 145-164. 9049637

ACSIL Tr 1324

Chemistry (Contd)

**Chemistry of Peat-Forming Materials:**

(3) Synthesis of Humic Acids From Natural Products, by V. A. Batur, V. E. Rekovskiy.

RUSSIAN, per, Trudy Inst Torfa, Ak Nauk Beloruss SSR, Vol VI, 1957, pp 68-79.

DSIR LIU RTS 1401

Free Hydroxyl, by V. N. Kondrat'yev, (NY-4689).

RUSSIAN, per, Uspekhi Khim, Vol VIII, No 2, 1939, pp 195-240.

\*JPRS

Chemiluminescence of Flames, by V. Kondrat'yev, (NY-4708).

RUSSIAN, per, Uspekhi Khim, Vol XII, No 4, 1943, pp 308-317.

\*JPRS

Radicals in Chain Reactions, by V. V. Voyevodskiy, V. N. Kondrat'yev, (SF-1060).

RUSSIAN, per, Uspekhi Khim, Vol XIX, No 6, 1950, pp 673-696.

\*JPRS

Mechanism of Gaseous Detonation, by M. A. Rivin, (NY-4709).

RUSSIAN, per, Uspekhi Khim, Vol XX, No 4, 1951, pp 473-494.

\*JPRS

Experiments of N. S. Kurnakov and His Followers in the Field of Chemistry of Fused Salts, by N. K. Voskresenskaya, 15 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXI, 1952, pp 1086-1095.

AEC Tr-4095

Electrode Potentials of Metals in Molten Salts, by Yu. K. Delimarskiy.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 4, 1957, pp 494-515.

DSIR LIU RTS 1470

Rare-Earth Metal Borides, by G. V. Samsonov, 40 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, 1959, pp 189-217.

AEC AERE Tr-849

Scientific  
Chemistry (Contd)

The Stereochemical Aspect of the Hydrogen Bond, by R. Zhonen.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 5, 1959, pp 605-614.

DSIR LLJ RTS 1489

Metallic Compounds, by I. I. Kornikov, B. K. Vul'f, 38 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, 1959, pp 1036-1113.

AEC Tr-4097

Organic Compounds of Boron, by B. M. Mikhaylov, 75 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 12, 1959, pp 1450-1487.

JPRS 5098

Compressed Hydrocarbon Gases as a New Type of Solvent, by T. P. Zhuze, 11 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 11, 1959, pp 47-52.

LLJ Tr 201  
May 1960

A New Way of Synthesizing Diamines and Dibasic Carboxylic Acids During the Production of High Polymer, by B. V. Suvorov, S. R. Rafikov, (NY-4699).

RUSSIAN, per, Vest Ak Nauk Kazakh SSSR, No 1, 1960, pp 44-49.

\*JPRS

Chemical Method of Control of Wheat and Barley Smuts, by I. M. Polyakov.

RUSSIAN, per, Zashchita Rast, Vol V, No 3, pp 15-18. 9057431

USDA

Chemical Method of Combating Wheat and Barley Smut, by I. M. Polyakov, 6 pp.

RUSSIAN, per, Zashchita Rast ot Vred i Bolez, No 3, 1960, pp 15-18.

JPRS 3670

On the Method of Studying the Self-Diffusion of Tungsten, by V. P. Vasil'yev, S. G. Chernomorchenko.

RUSSIAN, per, Zavod Lab, Vol XXII, No 6, 1956, pp 688-691.

DSIR LLJ RTS 1491



Scientific  
Chemistry (Contd)

Combustion of Oxygen Mixtures With Carbon Monoxides in Quartz Vessels, by V. N. Kondrat'yev, (SF-1045).

RUSSIAN, per, Zhur Fiz Khim, Vol XVIII, No 3/4, 1944, pp 110-114.

\*JPRS

Active Centers in an Acetylene Flame, by Ye. Kondrat'yeva, V. Kondrat'yev, (SF-1054).  
RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 7, 1947, pp 761-768.

\*JPRS

Measurement of the Concentration of Hydrogen Atoms in Flames With the Help of NO, by L. V. Karmilova, V. N. Kondrat'yev, (SF-1050).  
RUSSIAN, per, Zhur Fiz Khim, Vol XXV, No 3, 1951, pp 312-322.

\*JPRS

Kinetics of the Combustion of Carbon Monoxide, by G. A. Barskiy, Ya. B. Zel'dovich, (SF-1050).  
RUSSIAN, per, Zhur Fiz Khim, Vol XXV, No 5, 1951, pp 523-537.

\*JPRS

Crystalline Structure of Thiocyanates: (8)  
Crystalline Structure of Rhodium Hexathio-  
cyanate, by Z. V. Zvonkova.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXVII, No 1, 1953, pp 100-105.

DSIR LIU RTS 1431

The Crystalline Structure of Thiocyanates: (9)  
X-Ray Examination of Crystalline Structures of Complex Chromium Nickel and Platinum Hexathio-  
cyanates, by G. S. Zhdanov, et al.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXVII, No 1, 1953, pp 106-110.

DSIR LIU RTS 1429

The Effect of Molecular Structure on the Velocity of the Ionic and Atomic Reactions of Isotope Exchange. I. The Effect of Lengthening the Carbon Chain of the Alkyl Radical on the Rate of Isotope Exchange of an Alkyl Halide With Halide Ions, by M. B. Neyman, Yu. M. Shapovalov, V. B. Miller, 28 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXVIII, No 7, 1954, pp 1243-1256.

JPRS 2652

Scientific  
Chemistry (Contd)

The Study of the Mechanism of Electrochemical Corrosion of Titanium, by N. D. Tomashov, R. M. At'tovskiy. RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 5, 1956, pp 781-783.

DSIR LIU RTS 1510

Nature of the Chemical Bond in Thiocyanate Complexes of Metals, by Z. V. Zvonkova. RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 9, 1957, pp 2074-2077.

DSIR LIU RTS 1430

The Concentration of the Heavy Isotopes of Carbon by a Chemical Method, by Yu. K. Shaposhnikov, 11 pp. RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 4, 1958, p. 869-874.

JPRS 2528

The Electrochemical and Corrosion Behaviour of Steel and Nickel Electrodes in Sulphuric Acid Solutions Subjected to the Action of  $\gamma$  Rays, by N. Ya. Bune, Ya. M. Kolotyrkin, G. S. Tyurikov, 11 pp. RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, 1958, pp 2679-2685.

AEC NP Tr-445

Studies of the Thermodynamic Properties of Compounds by the Method of Explosion in a Spherical Bomb, by V. A. Medvedev, et al, 14 pp. RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 1, 1959, pp 58-64.

JPRS 5089

Pressure Dependence of the Burning Rate of Black Powder, by O. I. Leypunskiy, (DC-4278). RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 1, 1960, pp 177-181.

\*JPRS

Electrodeless Method of Measuring Electrical Conductivity and Possibilities for Its Use in Physiochemical Analysis, by A. R. Regel, RUSSIAN, per, Zhur Neorg Khim, Vol I, No 6, 1956, pp 1271-1278.

\*AEC

Scientific  
Chemistry (Contd)

Ion-Exchange Separation of Rare-Earth Activities Without the Use of a pH-Meter, by B. K. Preobrazhenskiy, O. M. Lilova. RUSSIAN, per, Zhur Neorg Khim, Vol I, 1956, pp 2294-2299.

\*AEC

Separation and Investigation of the Physico-Chemical Properties of Plutonyl Chloride, by I. F. Alenchikova, L. L. Zaytseva, L. V. Lipis, V. V. Fomin, 6 pp. RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 5, 1959, pp 961, 962.

JPRS 5191

Simple and Complex Carbonate Compounds of Plutonium, by A. D. Gel'man, L. M. Zaytsev, 22 pp. RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 12, 1959, pp 2688-2696.

JPRS 5192

Achievements of Communist Chinese Chemistry in the Past Ten Years, by Wu Hsueh-chou, 17 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 18, 26 Sep 1959, pp 572-576.

JPRS 5163

Silicons: Organosilicon Compounds, Their Preparation, Properties, and Use, by V. Bazant, V. Chvalovsky, J. Rathousky, 526 pp. CZECH, bk, Silikony (Organokremicite Slouceniny, Jejich Priprava, Vlastnosti a Pouziti), 1954, 313 pp.

ATIC MCL-186/V

Use of Anion Exchangers in Analytical Chemistry. I. Sorption of Chloride Complexes of Certain Metals in Oal Anion Exchangers, by Karel Liska, Ladislav Klir, 4 pp. CZECH, per, Chem Listy, Vol LI, 1957, pp 1467-1470.

AEC UCRL Tr-536

Chemical Analysis of Writing in Ink, by K. Koopmans, 14 pp. DUTCH, per, Chemisch Weekblad, No 55, 1959, pp 109-114.

JPRS 3468

Scientific  
Chemistry (Contd)

Chemical Reactions in Heterogeneous Phases. A New Idea: The Equivalent Volume, by F. Trombe, M. Foex.  
FRENCH, per, Ann Chim, Vol XVIII, 1943, pp 97-116.

\*AEC

Types of Reactions in Heterogeneous Phases: Part II, by F. Trombe, M. Foex.  
FRENCH, per, Ann Chim, Vol XVIII, 1943, pp 116-122.

\*AEC

A Technique for Obtaining Longitudinal Sections of Textile Fibers, Plastic Films, and Other Objects, by N. Iwanow, R. Schneider.  
FRENCH, per, Bull Inst Textile France, No 77, 1958, pp 55-62.

ATS 354-FJ

New Preparation of Calcium Fluoborate (Action of Boron Trifluoride on Fluorine), by R. Paris, et al.  
FRENCH, per, Bull Soc Chim France, Vol XXI, 1954, pp 142, 143.

ATS 540-FJ

The Present-Day Status of Crystallographic Data Concerning the Dioxides of Manganese, by J. Brenet.  
FRENCH, per, Bull Soc Franc Mineral et Crist, Vol LXXVII, 1954, pp 797-814.

ATS 562-FJ

A New Method of Preparing Hypophosphorous Acid, by R. Paris, P. Tardy.  
FRENCH, per, Comptes Rendus, Vol CCXXIII, 1946, pp 242, 243.

ATS 532-FJ

The Oxidation of Cerium and Lanthanum, by Jean M. Loriaers.  
FRENCH, per, Comptes Rendus, Vol CCXXIX, 1949, p 547.

\*AEC

On the Formation of Cubic  $Ce_2O_3$  in the Oxidation of Cerium and Evidence for It From Electron Diffraction, by R. Courtel, Jean M. Loriaers.  
FRENCH, per, Comptes Rendus, Vol CCXXX, 1950, p 735.

\*AEC

Scientific  
Chemistry (Contd)

X-Ray Study of the Products of Dehydration  
of Crystalline Gibbsite, by L. Blanchin,  
et al.

FRENCH, per, Comptes Rendus, Vol CCXXXVI,  
1953, pp 1025-1028.

ATS 559-FJ

The Preparation and Properties of Colored,  
Non-Stoichiometric Alumina, by F. Juillet,  
et al.

FRENCH, per, Comptes Rendus, Vol CCXLVIII,  
1959, pp 555-558.

ATS 538-FJ

Thermokinetics of Adsorption, by E. Calvet.  
FRENCH, per, J. Chim Phys, Vol XLVIII, 1951,  
pp 579-581.

ATS 447-FJ

Absorption Spectrum and Thermoluminescence  
Curve of Fused Quartz Irradiated by X- and  
γ-Rays, by M. Lautout, 22 pp.

FRENCH, per, J Chim Phys, Vol LII, 1955,  
pp 259-266.

AEC HW Tr-13

Preliminary Report of the Mission of the  
French Chemical Industry to the USSR,  
18 October to 8 November 1959 (First Part),  
(DC-4285).

FRENCH, per, Revue de L'Institut Francais  
du Petrole et Annales des Combustibles  
Liquides, Vol XV, No 1, 1960, pp 236-244.

\*JPRS

Process for the Preparation of Trimethylo-  
lactaldehyde.

FRENCH, Patent 962,381 (June 8, 1950).

ATS 376-FJ

The Amalgam Method for the Preparation of  
Hydrosulfite. A Challenge to the Industry,  
by D. J. Gerritsen.

GERMAN, monograph, Dechema Monograph, Vol  
XXVI, 1956, pp 279-300.

ATS 568-GJ

Thorium and Isotopes, by Gmelin.

GERMAN, bk, Handbuch der Anorg Chem, 8th ed,  
No 44, 1955, pp 9-20.

ATS 545-GJ

Scientific  
Chemistry (Contd)

Isotope Exchange in Solids as a Method  
of Measuring Self-Diffusion, by K. E.  
Zimen.

GERMAN, rpt, Symposium on the Reactivity  
of Solids, Goteborg, Sweden, 1952,  
pp 85-92.

ATS 441-GJ

The Rate of Oxidation of Nickel in the  
Presence of Small Quantities of Chromium  
and Manganese, Contribution to the Theory  
of the Surface Oxidation Process, by  
C. Wagner, K. E. Zimens.

GERMAN, per, Acta Chem Scand. Vol I, 1947,  
pp 547-565.

ATS 504-GJ

The Role of the Adiabatic Exponent in  
Chemically Unstable Gas Mixtures, by Von  
Irene Saenger-Bredt.

GERMAN, per, Der Adiabatenesponent Bei  
Chemisch Veraenderlichen Gasgemischen,  
Vol VI, 1955, pp 35-66.

\*ATIC MCL-702/4

Sulfur and Its Compounds, by F. Feher.

GERMAN, per, Angew Chem, Vol LXVII,  
No 13, 1955, pp 337-344.

ATS 567-GJ

The Chemistry of Borosulfole and Its  
Derivatives, by E. Wiberg, W. Sturm.

GERMAN, per, Angew Chem, Vol LXVII,  
1955, pp 483-493.

ATS 541-GJ

Chemical Supervision of the Dissemination  
of Radioactive Substances, by G. Herrmann,  
49 pp.

GERMAN, per, Angew Chem, Vol LXXI, 1959,  
pp 561-571.

AEC NP Tr-430

Determination of the Average Radical Con-  
centration Per Latex Particle in Emulsion  
Polymerization, by H. Gerrens.

GERMAN, per, Angew Chem, Vol LXXI, No 19,  
1959, pp 608-612.

ATS 339-GJ

Scientific  
Chemistry (Contd)

- Cross-Linking of Polyethylene With Ultraviolet Light, by H. Wilski.  
GERMAN, per, Angew Chem, Vol LXXI, No 19, 1959, pp 612-619. ATS 336-GJ
- Chemisorption of Alcohols on Amorphous Silica, by W. Stober.  
GERMAN, per, Annalen der Chem, Justus Liebigs, Vol DCIV, 1957, pp 104-110. ATS 445-GJ
- Behaviour of Heating-Wire Alloys in Nitrogen and Nitrogenous Gases, by H. Pfeiffer.  
GERMAN, per, Archiv Eisenhüttenwesen, No 9, 1958, pp 575-584. \*HB 4870
- The Volatilisation of Iron (II, III) Oxide, Manganese (II, III) Oxide and Chromium (II, III) Oxide, by H. von Wartenberg.  
GERMAN, per, Archiv Eisenhüttenwesen, Oct 1959, pp 585-587. BISI 1554
- Influence of Form of Combination of an Element on Its Determination by Emissive Spectral Analysis, by P. Dickens, A. Bahr.  
GERMAN, per, Archiv Eisenhüttenwesen, Mar 1960, pp 135-143. \*BISI 1806
- Zirconium Oxide and Binary Systems With Zirconium Oxide, by A. Dietzel, H. Tober.  
GERMAN, per, Ber Deut Keram Ges, Vol XXX, No 3, 1953, pp 47-61. ATS 563-GJ
- Zirconium Oxide and Binary Systems With Zirconium Oxide, by A. Dietzel, H. Tober.  
GERMAN, per, Ber Deut Keram Ges, Vol XXX, No 4, 1953, pp 71-82. ATS 564-GJ
- Rapidly Occurring Catalytic Processes in Flowing Gases and Oxidation of Ammonia, Part 5, by L. Andrussov.  
GERMAN, per, Berichte, Vol LX, 1927, pp 2005-2018. ATS 464-GJ

Scientific  
Chemistry (Contd)

Binary Azeotropic Mixtures of Methyl Acetate With 28 Hydrocarbons of the C<sub>5</sub>, C<sub>6</sub>, and C<sub>7</sub> Range. Testing of the Procedure of Skolnik for the Determination in Advance of Azeotropic Data, by H. Koch, H. G. Van Raay. GERMAN, per, Brennstoff-Chem, Vol XXXV, No 7-8, 1954, pp 105-112.

ATS 462-GJ

Poisonous Action and Detection of Injurious Gases and Vapors in Mining Operations, by K. G. Hetzel. GERMAN, per, Brennstoff-Chem, Vol XL, No 4, 1959, pp 115-122.

Navy 2603/NRL 801

Physical Problems in the Conveying of Solid Particles in Liquids and Gases, by W. Barin. GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXII, 1960, pp 164-171.

\*Dept of Interior

Calculation of the Degree of Exhaustion of Dye and Other Baths, by H. Schonefeld. GERMAN, per, Deutsche Textiltechk, Vol IX, No 5, 1959, pp 258-263.

ATS 361-GJ

The Influence of Various Spinning Conditions on Drawing, by D. Natus, H. Sauer. GERMAN, per, Faserforsch und Textiltechnik, Vol VII, No 10, 1956, pp 468-476.

ATS 351-GJ

Stress in Perlon Filament in Cold-Drawing, by D. Natus. GERMAN, per, Faserforsch und Textiltechnik, Vol V, No 10, 1957, pp 431-434.

ATS 347-GJ

The Fine Structure of Polyamides. I. X-Ray Determination of the Fine Structure of Perlon-L Fibers Spun in Different Ways, by C. Ruscher, H. Versaumer. GERMAN, per, Faserforsch und Textiltechnik, Vol X, No 6, 1959, pp 245-248.

ATS 346-GJ



Scientific  
Chemistry (Contd)

Breaking Strength of Filaments as a Function of Specimen Length. III. A New Characteristic and Its Value for Different Types of Filaments, by A. Sippel.

GERMAN, per, Faserforsch und Textiltechnik, Vol X, No 8, 1959, pp 369-371.

ATS 353-GJ

Organic Sulfur in City Gas, by W. Janicke.

GERMAN, per, Gas und Wasserfach, Vol C, No 49, 4 Dec 1959, pp 1281-1284.

\*Dept of Interior

Oxidation of Manganese (II) Hydroxide With Molecular Oxygen, by W. Feitknecht, W. Marti.

GERMAN, per, Helv Chim Acta, Vol XXVIII, 1945, pp 129-148.

ATS 458-GJ

Manganites and Artificial Pyrolusite, by W. Feitknecht, W. Marti.

GERMAN, per, Helv Chim Acta, Vol XXVIII, 1945, pp 149-156.

ATS 561-GJ

The Thermoelectric Effect in Electrolytic Solutions. III. Solutions of Potassium in Liquid Ammonia Compared With the Ferriidrac Electron Gas, by G. Frappe, G. Lepoutre.

GERMAN, per, J Chim Phys, Vol LIV, 1957, pp 242-245.

\*AEC

The Thermal Decomposition of Sodium Sulfate, by E. Liebnitz, M. Tittel.

GERMAN, per, J. Prakt. Chem, Vol VI, 1958, pp 46-57.

ATS 547-GJ

The Determination of the Distribution of Pores According to Their Size in Filters and Ultrafilters, by F. Erbe.

GERMAN, per, Kolloid Z, Vol LXIII, No 3, 1933, pp 277-285.

ATS 452-GJ

Spontaneous Emulsification Due to Negative Interfacial Tension, by M. V. Stackelberg, et al.

GERMAN, per, Kolloid Z, Vol CXV, No 1-3, 1949, pp 53-66.

ATS 465-GJ

Scientific  
Chemistry (Contd)

Structure and Synthesis of the  
Halloysites, by M. Karsulin,  
V. Stubican.

GERMAN, per, Kolloid Z, Vol CXVI,  
1952, pp 192-199.

ATS 558-GJ

Gels as Salts of Polyelectrolytes, by  
H. Thiele, H. Affeldt.

GERMAN, per, Kolloid Z, Vol CLVI, No 1,  
1958, pp 14-21.

ATS 444-GJ

The Physical Properties of Monomeric Acrolein  
and Several Polyacroleins, by R. C. Schulz.

GERMAN, per, Kunststoffe, Vol XLVIII, No 6,  
1958, pp 257-261.

ATS 344-GJ

Making Plastics Processing More Economical  
by Combining Operations, by R. Fritsch,  
G. Fahr.

GERMAN, per, Kunststoffe, Vol XLIX, No 10,  
1959, pp 543-546.

ATS 340-GJ

Polymeric Acroleins. I. Studies on the  
Polymerization of Acrolein, by R. C. Schulz.

GERMAN, per, Makromolekular Chem, Vol XVII,  
1955, pp 62-73.

ATS 342-GJ

The Redox Polymerization of Acrolein in an  
Aqueous Medium. VI. Acrolein Polymers, by R. C.  
Schulz.

GERMAN, per, Makromolekular Chem, Vol XXIV,  
1957, pp 141-151.

ATS 343-GJ

Spontaneous Emulsification. A Contribution  
to the Study of Emulsification, by W. Kling,  
H. Schwerdtner.

GERMAN, per, Melliand Textilber, Vol XXII,  
1941, pp 21-28.

ATS 466-GJ

Scientific  
Chemistry (Contd)

**The Redox Titration Curves of Vat Dyes**

-- A Characteristic of Their Dyeing Properties, by S. Hafenrichter.

GERMAN, per, Melliand Textilber, Vol XXXVIII, No 11, 1957, pp 1257-1263.

ATS 360-GJ

Comparative Light-Exposure Tests With Daylight, Xenotest, Fugitometer, by C.P.A. Fading Lamp and Fadeometer, by L. F. C. Friele, H. J. Selling.

GERMAN, per, Melliand Textilber, Vol XXXVIII, No 11, 1957, pp 1269-1273.

ATS 372-GJ

Rope Yarns and Their Conversion Into Rope, by A. Blumcke.

GERMAN, per, Melliand Textilber, Vol XL, No 1, 1959, pp 11-17.

ATS 352-GJ

Identification of Remazol Dyes on the Fiber, by A. Bode.

GERMAN, per, Melliand Textilber, Vol XL, No 11, 1959, pp 1304, 1305.

ATS 358-GJ

Indium-Bearing Silver Alloys, by E. Raub, H. Roters.

GERMAN, per, Mitt Forsch Inst und Probieramts Edelmetalle Staatl Hoheren Fachschule Schwab, Vol XI, No 2-3, 1937, pp 13-19.

ATS 516-GJ

The Effect of Silent Electric Discharges on a Mixture of Hydrogen and Titanium Tetrachloride Vapor. Part II. Polymorphic Titanium Trichloride, by F. Bock, L. Moser.  
GERMAN, per, Monatsh Chem, Vol XXXIV, No 10, 1913, pp 1825-1841.

ATS 555-GJ

Nitrogen Absorption During Electric Arc Welding, by F. Bischof.

GERMAN, per, Die Technik, May 1949, pp 229-234.

BISI 1556

Dyestuff Exhaustion Curves. I. Methods for Determining and Representing Exhaustion Curves and Their Practical Evaluation, by S. Hafenrichter.

GERMAN, per, Textil-Praxis, Vol XII, 1957, pp 171-176.

ATS 362-GJ

Scientific  
Chemistry (Contd)

Mode of Action of Dry Fire Extinguishing Agents, by M. Friedrich.

GERMAN, per, VFDB Z. fuer Forschung und Brandeschultz (Special Issue), Vol IX, No 2, Jan 1960, Stuttgart, pp 1-24.

Navy 2606/NRL 804

Contributions to the Ceramics of Highly Refractory Materials, I. The Forms of Zirconium Dioxide, by O. Ruff, F. Ebert.

GERMAN, per, Z. Anorg Allgem Chem, Vol CLXXX, 1929, pp 19-41.

ATS 565-GJ

The Phase Diagram of the Silver-Indium System, by F. Weibke, H. Eggers.

GERMAN, per, Z. Anorg Allgem Chem, Vol CCXXII, 1935, pp 145-160.

ATS 514-GJ

Concerning the Vanadium-Nitrogen System<sup>1</sup>, Metal Amides and Metal Nitrides, XV-III<sup>2</sup>, by H. Hahn.  
GERMAN, per, Z. Anorg Allgem Chem, Vol CCLVIII, 1949, p 58.

\*AEC

Heterotype Mixed Phases in Rare Earth Oxides, I. by G. Brauer, H. Gradinger.

GERMAN, per, Z. Anorg Allgem Chem, Vol CCLXXVI, 1954, p 209.

\*AEC

Color and Constitution of Complexes. VIII. The Light Absorption of Complex Ions of Trivalent Titanium, by H. Hartmann, et al.

GERMAN, per, Z. Anorg Allgem Chem, Vol CCLXXXIV, 1956, pp 153-161.

ATS 553-GJ

Blue Solutions of Sodium in Methylamine, by G. Hohlstein, U. Wannagat.

GERMAN, per, Z. Anorg Allgem Chem, Vol CCLXXXIV, 1956, pp 191-196.

\*AEC

Disulfur Dinitride, S<sub>2</sub>N<sub>2</sub>, and Poly(Sulfur Nitride), (SN)<sub>x</sub>, by M. Goehring, D. Voigt.

GERMAN, per, Z. Anorg Allgem Chem, Vol CCLXXXV, 1956, pp 181-190.

ATS 568-GJ

Scientific  
Chemistry (Contd)

Further Investigations on Crystalline Hydroxides of the Rare Earths, by R. Fricke, W. Durrwachter. GERMAN, per, Z Anorg Chem, Vol CCLIX, 1949, pp 305-308.

\*AEC

Anomalous Mixed Crystals in the System  $\text{ThO}_2\text{-La}_2\text{O}_3$ , by F. Hund, W. Durrwachter. GERMAN, per, Z Anorg Chem, Vol CCLXV, 1951, pp 67-72.

\*AEC

Nitrides of the Rare Earth Metals, by W. Klemm, G. Winkelmann. GERMAN, per, Z Anorg Chem, Vol CCLXXXVIII, 1956, pp 87-90.

\*AEC

Explanation of Abnormal Osmosis at Nonswelling Membranes. Part I, by K. Sollner. GERMAN, per, Z. Elektrochem, Vol XXXVI, No 1, 1930, pp 36-47.

ATS 449-GJ

Explanation of Abnormal Osmosis at Non-swelling Membranes. Part 2, by K. Sollner. GERMAN, per, Z. Elektrochem, Vol XXXVI, No 4, 1930, pp 234-241.

ATS 450-GJ

The Explanation of Abnormal Osmosis at Nonswelling Membranes. Part 3, by K. Sollner, A. Grollman. GERMAN, per, Z. Elektrochem, Vol XXXVIII, No 5, 1932, pp 274-282.

ATS 451-GJ

Quantitative Treatment of the Permeability of Membranes (An Expanded Theory). Part I, by T. Teorell. GERMAN, per, Z. Elektrochem, Vol LV, No 6, 1951, pp 460-469.

ATS 448-GJ

Hydrogen Fluoride. I. Specific Heat, Vapor Pressure and Density to 300° C and 300 ATM, by E. U. Franck, W. Spalthoff. GERMAN, per, Z. Elektrochem, Vol LXI, No 3, 1957, pp 348-357.

ATS 468-GJ

Scientific  
Chemistry (Contd)

The Rate of Oxidation (Corrosion) of Titanium in Molten Salts and the Composition of the Oxidation Products, by M. E. Straumanis, Ch. Chiou.

GERMAN, per, Z. Elektrochem, Vol LXII, No 2, 1958, pp 201-209.

ATS 506-GJ

Relationship Between Raman Scattering, Absorption and Fluorescence (Resonance Raman Effect), by J. Behringer.

GERMAN, per, Z. Elektrochem, Vol LXII, No 5, 1958, pp 544-567.

ATS 429-GJ

The Effect of Stearic Acid Coatings on the Volta Potential of Gold, by G. Radlein, M. Honrath.

GERMAN, per, Z. Elektrochem, Vol LXIII, No 3, 1959, pp 397-399.

Navy 2604/NRL 802

Investigations Concerning the Tantalum-Oxygen System, II. Reactions and Equilibrium States Between Mixed Crystal and Oxide Phases, by E. Gebhardt, H. D. Seghezzi.

GERMAN, per, Z. Metallkunde, Vol L, No 9, 1959, pp 521-527.

ATS 570-GJ

A Study of the Heterogeneous Liquid-Vapor Equilibrium. Part 1, A General Equation of State for Saturated Vapors, by E. Kordes.

GERMAN, per, Z Physik Chem, Vol CCIII, No 5-6, 1954, pp 265-274.

ATS 472-GJ

Development of Sprengel Type Explosive, 3 pp. GERMAN, Austrian Patent No 207301.

ACSI H-6771  
ID 2146505

On Some Intermetallic Compounds of Uranium With Elements of Groups III and IV, by A. Iandelli, R. Ferro.

ITALIAN, per, Annali di Chimica, Vol XLII, 1952, pp 598-606.

\*AEC

Scientific  
Chemistry (Contd)

Nickel, Cobalt and Iron Salts of Acids  
Containing the  $\text{-P(=S)SH}$  Radical, by  
L. Malatesta, R. Pizzotti.

ITALIAN, per, Chim et Industrie, Vol  
XXVII, No 1-2, 1945, pp 6-10.

ATS 533-IJ

Elastic and Inelastic Behavior of Some  
Isotactic Polymers, by G. Natta.

ITALIAN, per, Chim et Industrie, Vol  
XLI, No 8, 1959, pp 733-740.

ATS 333-IJ

Cross-Linking Density and Physical Properties  
of Elastomers Obtained From Ethylene-  
Propylene Copolymers, by G. Crespi,  
M. Bruzzone.

ITALIAN, per, Chim et Industrie, Vol XLI,  
No 8, 1959, pp 741-748.

ATS 335-IJ

Volumetric and Dilatometric Properties of  
Some Olefin Polymers, by F. Danusso.

ITALIAN, per, Chim et Industrie, Vol XLI,  
No 8, 1959, pp 748-757.

ATS 338-IJ

Infrared Analysis of Polybutadienes Obtained  
by Stereospecific Synthesis, by D. Morero.

ITALIAN, per, Chim et Industrie, Vol XLI,  
No 8, 1959, pp 758-762.

ATS 379-IJ

Determination of the Molecular Weight of  
Polypropylene, by G. Moraglio.

ITALIAN, per, Chim et Industrie, Vol XLI,  
No 9, 1959, pp 879-881.

ATS 337-IJ

The Ternary System:  $\text{Na}_2\text{SO}_4\text{-Li}_2\text{SO}_4\text{-H}_2\text{O}$  at  
27.0 and 45.6° C, by L. Cavalca, M. Nardelli.  
ITALIAN, per, Gazzetta Chimica Italiana,  
Vol LXXXII, 1952, pp 394-405.

ATS 549-IJ

The Adsorption of  $\text{O}_2$  on the Monomolecular  
Film of Co-Disalicylaldehydeethylenediimine,  
by Enzo Ferroni, Augusta Picalbi.

ITALIAN, per, Gazzetta Chimica Italiana,  
Vol LXXXIX, No 3, 1959, pp 750-755.

Navy 2602/NRL 811

Scientific  
Chemistry (Contd)

Determinations of Metal Ions by Hexamminecobalt (III) Chloride and Sodium Fluoride (First and Second Reports), by Yoshimasa Takashima, 14 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX, 1958, pp 243-248.

AEC UCRL Tr-539(L)

Ether Extraction of Iodides and Iodates of Various Elements, by S. Kitiyara. JAPANESE, per, Scientific Research Institute, Tokyo, Vol XXIV, 1948, pp 454-457.

\*AEC

Behavior of Active Materials of Negative Plates of Alkaline Storage Batteries. JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Nov 1959, pp 11, 12.

USACRAPAC, PD  
Tr No 101815-B

Performance Test of Nickel-Cadmium Alkaline Storage Battery for Railway Passenger Cars (Rpt 1). JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Nov 1959, pp 25, 26.

USACRAPAC, PD  
Tr No 101815-B

Chromato-Polarographic Investigations. XIII. Analysis of Mixtures of Aliphatic Nitro Compounds, by Wiktor Kemula, Danuta Sybilska, 13 pp. POLISE, per, Chem Anal, Vol IV, 1959, pp 123-134.

AEC Tr-4076

Separation of Isotopes in an Ultracentrifuge, by Anatol Selecki, 19 pp. POLISH, per, Nukleonika, Vol IV, No 1, 1959, pp 13-33.

JPRS 3694

Sixth Ukrainian Republic Conference on Organic Chemistry, 9 pp. UKRAINIAN, per, Ukrain Khim Zhur, Vol XXVI, No 2, 1960, pp 273-277.

JPRS 3705



**Scientific  
Electricity**

Contribution to the Study of Brushes and of  
the Sliding Contacts, by M. J. Millet.  
FRENCH, per, Bulletin Societe Francaise des  
Electriciens, Series 7, Vol VII, No 81, 1957,  
pp 574-583.

\*AEC

Scientific  
Electronics

Two Chapters From "Antennas for Main-Line Short-Wave Radio Communications," by G. Z. Ayzenberg, 104 pp.

RUSSIAN, bk, Antenny dlya Magistral'nykh Korotkovolnovykh Radiosvyazey, Moscow, 1948.

USASIA H-6585

Principles for Designing, Controlling Mathematical Machines on the Basis of General Purpose High-Speed Digital Computers, by V. A. Zimin, (NY-4688).

RUSSIAN, bk, Avtomaticheskoye Upravleniye i Vychislitel'naya Tekhnika, 1958, pp 29-45.

\*JPRS

Magnetic High-Speed Pulse Relay Elements, by N. V. Korol'kov, (NY-4688).

RUSSIAN, bk, Avtomaticheskoye Upravleniye i Vychislitel'naya Tekhnika, 1958, pp 146-174.

\*JPRS

Application of Semiconductor Devices in Computer Technique, by Ye. I. Mamonov, Yu. I. Sharapov, (NY-4688).

RUSSIAN, bk, Avtomaticheskoye Upravleniye i Vychislitel'naya Tekhnika, 1958, pp 175-203.

\*JPRS

Input and Output of Information in High-Speed Digital Computers, by N. V. Trubnikov, (NY-4688).

RUSSIAN, bk, Avtomaticheskoye Upravleniye i Vychislitel'naya Tekhnika, 1958, pp 223-242.

\*JPRS

Electro-Radio Automation (Elements of Automatic and Computing Devices for Aircraft Radars), by E. I. Gitis, 437 pp.

RUSSIAN, bk, Elektroradioavtomatika Elementy Avtomaticheskikh i Vychislitel'nykh Ustroystv Aviatzionnykh Radioustanovok, Moscow, 1959, 423 pp.

ATIC MCL 131/V

Wave Propagation in a Random Medium, by L. A. Chernov, 165 pp.

RUSSIAN, bk, Rasprostraneniye Voln v Srede So Sluchaynymi Neodnosodnostyami, 1960.

McGraw-Hill Book Co.

Choosing the Frequency Range for Industrial Telemetering Devices in a Pulse-Frequency Modulation System, by A. M. Pahanichnikov. RUSSIAN, per, Avtom i Telemekha, Vol XXI, No 4, 1960, pp 525-529.

Interntl Phys Index  
Automation Express  
Vol III, No 1

Scientific  
Electronics (Contd)

The Quantity of Coordinate Descriptions of Images in Systems for Recognition of Visible Patterns (Character Recognition Devices), by V. S. Fayn, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 2, 1960, pp 164-172.

JPRS 3570

Breaking Up Iron Ore by High-Frequency Current, by M. I. Agoshkov, A. S. Voronyuk.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Toplivo, Jan 1960, pp 133-144.

\*HB 4857

An Approximate Calculation of the Axially-Symmetric Flow Through Fixed Sets of Blades With Cylindrical Boundaries in a Turbo-Compressor, by P. A. Romanenko.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk Prob Energetiki, Avtomat Elektrosvyarzi, No 6, 1959, pp 68-73.

\*AEC

Analytic Investigation of the Processes in a Ferrite Core, by Ye. I. Klepfer, G. M. Tikhomirov, 12 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Elektromekh, No 12, 1959, pp 12-17.

JPRS 2879

Observation of the Annular Solar Eclipse on April 19th 1958 on the 1.63 CM, 3.2 CM and 10 CM Waves, by Du Len-yao, A. N. Malakhov, V. M. Pletchkov, V. A. Rasin, et al., 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 154-158.

JPRS 5153

On the Oblique Incidence of Radio Waves on an Anisotropic Ionosphere, by N. A. Mityakov, 14 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 159-166.

JPRS 5153

On the Interaction Between a Two-Level System and the Radiation Field in Free Space and in Cavities, by V. M. Fain, 24 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 167-180.

JPRS 5153

Scientific  
Electronics (Contd)

On the Spontaneous Radiation of Molecules Inside a Resonator, by F. V. Bunkin, A. N. Orayevskiy, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 181-186.

JPRS 5153

On the Sensitivity of Watt Meters for the Measurement of Weak Signals With a Continuous Spectrum, by A. G. Kislyakov, 21 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 187-197.

JPRS 5153

Electromagnetic Fluctuations in Space-Dispersive Media, by V. P. Silin, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 198-202.

JPRS 5153

Wave Propagation in Systems With Traveling Parameters, by S. I. Averkov, N. S. Stepanov, 17 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 203-212.

JPRS 5153

The Propagation of Electromagnetic Waves in a Spiral Line With Small Irregularities, by V. I. Bessalov, E. Ya. Daume, 18 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 213-222.

JPRS 5153

The Computation of TE-mode Natural Frequencies in Toroidal and H-Form Resonators, by V. L. Patrushev, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 223-228.

JPRS 5153

On the Characteristic TWT Equation for Average Currents, by S. D. Gvozdozer, G. G. Solodar', 25 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 229-243.

JPRS 5153

The Qualitative Investigation of the Potential in a Plane Magnetron, by A. A. Yankina, 20 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 244-253.

JPRS 5153

Scientific  
Electronics (Contd)

The Quantitative Solution of the Problem of Potential Distribution in a Plane Magnetron, by A. A. Yanlina, 16 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 254-261.

JPRS 5153

On Some Results of the Experimental Investigation of a Gas-Discharge Detector in the Centimeter Range, by E. A. Zdornova, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 262-266.

JPRS 5153

Entrainment of Frequency in a Self-Oscillator, by A. M. Shauman, P. N. Zavadvorov, 19 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 267-276.

JPRS 5153

Investigation of a Nonlinear System of Phase Autocontrol, by L. N. Belyustina, 29 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 276-291.

JPRS 5153

I. A. Vyshnegradskiy's Detailed Diagrams and the Choice of Optimum Parameters for a Standard Indirect Control System, by I. A. Antonov, 24 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 292-305.

JPRS 5153

An Operational Method of Synthesizing Algorithmic Systems, by A. D. Zakrevskiy, 20 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 306-315.

JPRS 5153

Amplitude and Phase Fluctuation in a Wave Passed Through a Layer With Random Inhomogeneities, by N. G. Denisov, 6 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 316-318.

JPRS 5153

Application of an Electrodynanic Instrument in a Correlator, by V. I. Shmal'gauzen, 6 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol II, No 2, 1959, pp 318-320.

JPRS 5153

Scientific  
Electronics (Contd)

Interaction of Electron Fluxes in Various  
Directions, by V. M. Lopukhin, 5 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Radiofiz, Vol II, No 2, 1959, pp 320-322.

JPRS 5153

Abbreviated Division Unit for a Sequential  
Digital Computer, by Yu. L. Ketkov, 4 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Radiofiz, Vol II, No 2, 1959, pp 322, 323.

JPRS 5153

Third All-Union Conference on Radio Electronics,  
14 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Radiofiz, Vol II, No 4, 1959, pp 666-673.

JPRS 2962

Electronics and Cybernetics, by A. I. Berg,  
13 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Radiotekh, Vol III, No 1, 1960, pp 3-12.

JPRS 3669

Telephon. Operators, 7 pp.  
RUSSIAN, per, Koreya, No 25, 1958, pp 22, 23.

USASIA H-6699

Automatic Current Regulator, 2 pp.  
RUSSIAN, per, Koreya, No 32, 1959, p 21.

USASIA H-6700

Television Satellites of the Earth, by  
V. Litvinenko, (DC-4229).  
RUSSIAN, per, Nauchno-Tekh Obsheh SSSR,  
No 6, 1960, pp 23-27.

\*JPRS

Experimental Apparatus for Three-Dimensional  
Color Television, by V. Dzhakoniya, 7 pp.  
RUSSIAN, per, Radio, No 4, 1960, pp 29, 30.

JPRS 5234

Effect of Temperature of Antenna and Mixer  
Upon Coefficient of Noise of Centimeter  
Range, by I. V. Shavlovskiy.  
RUSSIAN, per, Radiotekh, Vol XIV, No 7, 1959,  
pp 56-62. 654583

ATTC MCL-463/V

Comparison of Methods of Radar Reception From  
Standpoint of Information Theory, by F. P.  
Tarasenko.  
RUSSIAN, per, Radiotekh, Vol XIV, No 7, 1959,  
pp 63-70.

ATTC MCL-463/V

Scientific  
Electronics (Contd)

Automatization of Experimental Data Processing  
in Investigation of Irregular Ionosphere, by  
V. D. Gusev, T. A. Gaylit, (NY-4698).

RUSSIAN, per, Vest Moskov U, Ser III, Fiz  
Astron, No 1, 1960, pp 39-47.

\*JPRS

Radio-Relay Television Lines With R-600  
Equipment, by G. A. Greybo, 19 pp.  
RUSSIAN, per, Vest Svyazi, No 5, 1960,  
pp 5-8.

JPRS 5350

The Country's First Color Stereoscopic  
Television Installation, by G. I. Gomer, 4 pp.  
RUSSIAN, per, Vest Svyazi, No 5, 1960, p 12.

JPRS 5350

A Video Tape Recorder, by I. Okhotnikov,  
L. Polyakov, 9 pp.  
RUSSIAN, per, Znaniye Sila, No 5, 1960,  
pp 38, 39.

JPRS 5339

The Development of Communications in the  
Third Five-Year Plan, by Alois Neuman,  
4 pp.  
CZECH, per, Amaterske Radio, Vol VIII,  
No 12, 1959, p 321.

USASIA SC-310/60

European TV Rounds Out 10 Years, by C.  
Lydeking, 5 pp.  
DANISH, per, Dansk Radio Industri, Vol XXVI,  
No 1, 1960.

USASIA E-6717

From Ptera to Zebra.  
DUTCH, per, PTT Bedrijfsbanden, Vol XX,  
No 9, 1959, pp 268, 269.

USASIA E-6737a/60

Radio Telephone Communications With Ships  
on the Rhine.  
DUTCH, per, PTT Bedrijfsbanden, Vol XX,  
No 9, 1959, p 283.

USASIA E-6736b/60

An Important Event: The Inauguration of  
the Geneva-Lausanne Coaxial Cable, The  
First Section of the East-West System, by  
W. Schiess, 23 pp.  
FRENCH, per, Bollettino Tecnico, No 7, 1959,  
pp 241-252.

USASIA E-6764

Scientific  
Electronics (Contd)

Experimental Investigation of Long-Range  
Tropospheric UHF Propagation With Diversity  
Reception, by A. V. Prosin, I. P. Levshin,  
G. I. Slobodenyuk.  
RUSSIAN, per, Radiotekh, Vol XIV, No 10,  
1959, pp 3-14.

USASIA SC-109/60

Signal Detection, Theory of Detection of  
the Wanted Signal Against a Background of  
Gaussian Noise and of an Arbitrary Number of  
Interfering Signals With Random Amplitudes  
and Initial Phases, by Ya. D. Shiman.  
RUSSIAN, per, Radiotekh i Elektron, Vol IV,  
No 12, 1959, pp 1957-1966. 9049828

DSI Tr-609

On the Problem of Analyzing the Interaction  
of an Electron Beam With a Traveling Wave,  
by M. B. Tseitlin, E. M. Il'ina.  
RUSSIAN, per, Radiotekh i Elektron, Vol V,  
No 4, 1960, pp 700-704.

Internatl Phys Index  
Electronics Express  
Vol II, No 10

Simulating and Controlling Computers for  
Arc Steelmaking Furnaces, by Yu. E. Efroymovich.  
RUSSIAN, per, Stal, Jul 1957, pp 602-608.

BISI 1523

Electromagnetic Damping and Its Application  
to Electromechanical Modulators of Light,  
by Z. V. Tsurulina, 13 pp.  
RUSSIAN, per, Tekh Kino i Televideniya, No 9,  
1958, pp 36-41.

ACSI H-4783  
ID 2147186

Some Prospectives of Television Broadcasting  
Technique Development, by S. I. Kitayev,  
(DC-4249).  
RUSSIAN, per, Tekh Kino i Televideniya, No 6,  
1960, pp 1-8.

\*JPRS

On the Quality of Stereophonic Sound in  
Cinema Theaters, by B. F. Natarov.  
RUSSIAN, per, Tekh Kino i Televideniya, No 6,  
1960, pp 45-48.

Internatl Phys Index  
Electronics Express  
Vol II, No 10

The Effect of Fluctuations on Two-Channel  
Phase-Angle Meter With Frequency Multipliers,  
by V. I. Medvedev, B. P. Loskutov, (NY-4698).  
RUSSIAN, per, Vest Moskov U, Ser III, Fiz  
Astron, No 1, 1960, pp 27-38.

\*JPRS



Scientific  
Electronics (Contd)

Welding in an Argon Atmosphere With a Consumable Electrode, by A. Baron.

FRENCH, per, Rev Gen Mec, Vol XLI, 1957, pp 302-306.

ATS 488-FJ

German Radio, Television, and Phonograph Exhibition, by O. P. Herrnkind, 8 pp.

GERMAN, per, Elektro-Anzeiger, Vol XII, No 41, Oct 14, 1959, Essen, pp 411-413.

USASIA SC-159/60

Operation of Direct Indicating Frequency Meter for 50 CPS to 300 KCS, by R. Kosfeld, B. Ricke, 11 pp.

GERMAN, per, Elektronische Rundschau, No 2, 1958, Berlin, pp 53-56.

USASIA SC-241/60

Precision Mechanical Problems of the Construction of Microwave Equipment, by G. Almassy, 13 pp.

GERMAN, per, Feingerate Technik, No 4, 1960, pp 154-158.

USASIA SC-328/60

The Mechanism of Electrical Current Conduction in Nernst Rods, by C. Wagner.

GERMAN, per, Naturwissenschaften, Vol XXXI, 1943, pp 265-268.

\*AEC

Construction Guide for an Interference-Frequency-Meter.

GERMAN, per, Radio und Fernsehen, No 4, 1960, pp 115-121.

ACSI H-6156  
ID 2140086

The Local Battery Telephone Installation of the [East] German Railways, by Herbert Burkhardt, 13 pp.

GERMAN, per, Signal und Schiene, Vol III, No 10, 1959, pp 220-224.

USASIA SC-136/60

Current-Collecting Capacity of Pantograph.

JAPANESE, per, Tetsudo Gi-jutsu Kenkyujo, Nov 1959, p 32.

USACRAPAC, PD  
TR No 101815-B

Study on the Sulphation of Lead Battery Negative Plate, Lpt 1. Observation Under the Electron Microscope.

JAPANESE, per, Tetsudo Gi-jutsu Kenkyujo, Jan 1960, pp 16-18.

USACRAPAC, PD  
Tr No 101815-C

Scientific  
Electronics (Contd)

Noise Induced on Communication Line by Electrification of Section Between Utsunomiya and Shirakawa on Tohoku Line.

JAPANESE, per, Tetsudo Gijutsu Kenyu, Jan 1960, pp 23-25.

USACRAPAC, PD  
Tr No 101815-C

Cosmic Retransmission Station.

POLISH, np, Lacznosc, No 32, 10 Aug 1958, p 5.

USASIA H-6807

How Communications Look at Spitsbergen, by Adrian Czerwinski, 3 pp.

POLISH, np, Lacznosc, No 38, 21 Sep 1958.

USASIA H-6809a

Prospects in Polish Communications, 3 pp.

POLISH, np, Lacznosc, No 41, 21 Oct 1958.

USASIA H-6811

Report by Minister Z. Moskwa, by Zygmunt Moskwa, 9 pp.

POLISH, np, Lacznosc, No 44, 2 Nov 1958, p 2.

USASIA H-6812

Modern Technology in Telecommunications, by Maria Leman.

POLISH, np, Lacznosc, No 49, 7 Dec 1958.

USASIA H-6813b

Several Dates, 3 pp.

POLISH, np, Lacznosc, No 51-52, 21-28 Dec 1958, p 1.

USASIA H-6814a

On the Threshold of the New Year, 1959, by Zygmunt Moskwa, 8 pp.

POLISH, np, Lacznosc, No 51-52, 21-28 Dec 1958, p 2.

USASIA H-6814b

An Abundant Program, by Jadwiga Czapska, 5 pp.

POLISH, np, Lacznosc, No 51-52, 21-28 Dec 1958, p 4.

USASIA H-6814c

Tasks of the Telecommunications Service, by Wladyslaw Nowak, 5 pp.

POLISH, np, Lacznosc, No 51-52, 21-28 Dec 1958, p 5.

USASIA H-6814d

Guide to Development in Communications.

POLISH, np, Lacznosc, No 51-52, 21-28 Dec 1958, p 12.

USASIA H-6814e

Scientific  
Electronics (Contd)

Discussion of Plans for Long Distance Telecommunications, by Maria Leman, 3 pp.  
POLISH, np, Lacznosc, No 3, 18 Jan 1959, p 3.

USASIA H-6815

From Everywhere in Brief: From Poland.  
POLISH, np, Lacznosc, No 10, 8 Mar 1959, p 4.

USASIA H-6818a

Good News About Telephones in Lublin.  
POLISH, np, Lacznosc, No 10, 8 Mar 1959, p 6.

USASIA H-6818b

Damage in the Ether.  
POLISH, np, Lacznosc, No 16, 19 Apr 1959, p 2.

USASIA H-6819

At Mid-Term of the Years 1959-1960, by Zygmunt Moskwa, 9 pp.  
POLISH, np, Lacznosc, No 51-52, 20-27 Dec 1959, pp 1, 2.

USASIA H-6821a

What Directors of Communications Services Desire: That We Work Better, 4 pp.  
POLISH, np, Lacznosc, No 51-52, 20-27 Dec 1959, p 3.

USASIA H-6821b

Organization of the Telecommunications Service by Western Neighbors, 3 pp.  
POLISH, np, Lacznosc, No 51-52, 20-27 Dec 1959, p 7.

USASIA H-6821c

From Everywhere in Brief: From Poland.  
POLISH, np, Lacznosc, No 12, 23 Mar 1960, p 5.

USASIA H-6827

Military School of Electromechanics in Portugal, 8 pp.  
PORTUGUESE, per, Revista de Artilharia, No 411-412, Nov-Dec 1959, pp 291-296.

USASIA H-6791

International Postal-Telephone-Telegraphy Service.  
SERBIAN, per, RTT Vestnik, No 16, 16 Aug 1959, Belgrade, p 192.

USASIA SC-256/60

The Uruguayan Automatic Telephone System, 40 pp.  
SPANISH, rpt, Los 25 Anos Del Telefono Automatico en el Uruguay, Montevideo, 1959, pp 17-21, 26-63.

USASIA H-6701

Scientific  
Electronics (Contd.)

Selected Translations on Telecommunications in  
Mexico, 3 pp.

SPANISH, per, Boletin Informativo, Vol IX,  
No 90, 5 Feb 1958, pp 1-3.

USASIA H-6783

Telecommunications News From Mexico, 3 pp.

SPANISH, per, Revista Transmisiones, Vol XXIV,  
No 142, Sep 1959, pp 31, 32.

USASIA H-6788

Communications, by Peranders Kinnman, 7 pp.

SWEDISH, per, Teknisk Tidskrift, Vol LXXXVIII,  
No 51, Apr 1958, pp 370-372.

USASIA H-6742b

Scientific  
Engineering

Contactless Magnetic Devices for Control Systems,  
by L. I. Gutemakher, M. L. Avrukh, et al,  
(NY-4688).

RUSSIAN, bk, Avtomaticheskoye Upravleniye i  
Vychislitel'naya Tekhnika, 1958, pp 113-145.

\*JPRS

Logical Designs of Computers With Semiconductor  
Components, by V. A. Zimin, (NY-4688).

RUSSIAN, bk, Avtomaticheskoye Upravleniye i  
Vychislitel'naya Tekhnika, 1958, pp 204-222.

\*JPRS

Hydraulics of Gas-Liquid Systems, by S. S.  
Kutateladze, M. A. Styrikovich, 305 pp.

RUSSIAN, bk, Gidravlika Gazo-Zhidkostnykh  
Sistem, 1958, 232 pp.

ATIC F-TS-9814/V

Hydrography of the Rivers of the Mongolian  
People's Republic, by N. T. Kuznetsov.

RUSSIAN, bk, Gidrografiya Rek Mongol'skoy  
Narodnok Respubliki, 1959.

\*ACSI H-7124  
ID 2147189

Comprehensive Automation and Mechanization  
in Mechanical Engineering. A Symposium, 98 pp.

RUSSIAN, bk, Kompleksnaya Avtomatizatsiya i  
Mekhanizatsiya v Mashinostroyenii. Sbornik  
Statey, 1959, pp 60-147.

ATIC MCL-520/III

Rotary Automatic Lines, by L. N. Koshkin,  
23 pp.

RUSSIAN, bk, Kompleksnaya Avtomatizatsiya  
i Mekhanizatsiya v Mashinostroyenii, Moscow,  
1959, pp 231-245.

LLU Tr Bul  
June 1960

Mechanical Working of Hardened Steel, by  
L. M. Reznitskiy, 460 pp.

RUSSIAN, bk, Mekhanicheskaya Obrabotka  
Zakalennykh Staley, Moscow, Leningrad, 1958,  
398 pp.

ATIC MCL-406/V

Certain Problems in Mechanics: A Symposium,  
109 pp.

RUSSIAN, bk, Nekotoryye Voprosy Mekhaniki,  
Sbornik Statey, 1958, pp 5-75, 144-161.

ATIC MCL-518/III

Scientific  
Engineering (Contd)

Principles of Underdrainage Design in the  
Belorussian SSR, by A. I. Ivitskiy, 90 pp.  
RUSSIAN, bk, Printsipy Proektirovaniya  
Zakrytogo Drenazha v Belorusskoy SSR, Minsk,  
1954, 99 pp.

OTS 60-21120  
(PL 480)

TsEM Digital Electronic Computer, by G. A.  
Mikhaylov, B. N. Shitikov, N. A. Yavlinskiy,  
28 pp.  
RUSSIAN, bk, Problemy Kibernetiki, No 1, 1958,  
pp 190-202.

JPRS 5125

Basic Problems in the Theory of Piercing,  
by F. A. Danilov, et al.  
RUSSIAN, bk, Production of Steel Tubes by  
Hot Rolling, Moscow, 1954, Chapter 6,  
pp 58-93.

BISI 1354

Construction of Optical Instruments, Col-  
lection of Articles.  
RUSSIAN, bk, Sbornik Statey po Opticheskoye  
Priborostroyeniye, Moscow, 1959, pp 20, 21,  
25-36, 125-151.

\*ATIC MCL-703/2

Engineering Cybernetics, by A. G. Ivakhnenko,  
(DC-4287).  
RUSSIAN, bk, Tekhnicheskaya Kibernetika,  
1959.

\*JPRS

Capacity of New Soviet Thermal Cracking  
Units, by V. Ye. Parkhomenko, 6 pp.  
RUSSIAN, bk, Tekhnologiya Pererabotki Nefti  
i Gaza, Moscow, 1959, pp 155-160.

AF 1419551

Maintaining a Given Material Relationship  
Between the Surfaces of Parts Screwed Together,  
by P. N. Goberman.  
RUSSIAN, bk, Teoriya i Raschet Elementov  
Priborov Tochnoy Mekhaniki, Sbornik Statey,  
Vol XXII, Mashgiz, 1957, pp 97-105.

DSIR LLU RTS 1359

Scientific  
Engineering (Contd)

Forced Vibrations of a System With One Degree of Freedom in the Presence of Dry Friction and With an Operating Arbitrary Exciting Force. Vol IV. Problems of Dynamics and Dynamic Strength.

RUSSIAN, bk, Vynuzhdennye Kolebaniya Sistemy s Odnoy Stepen'yu Svobody pri Nalichii Sukhogo Trenia i Pri Proizvol'noi Vozmushchayushchey Sile. Sbornik Statey. Vol IV, 1956, pp 95-121.

\*AEC

Design Characteristics of the Fuselage Nose Part for Light Aircraft, by N. I. Andryanov, 14 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 3-7.

ATIC MCL-514/III

Fiber Glass Panels for Heat Insulation of Aircraft Service Bays, by A. M. Krutikov, 6 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 7-9.

ATIC MCL-514/III

The Manufacture of Large-Dimensioned Radially Corrugated Tubes, by Ye. S. Sizov, A. T. Kopotov, R. Kh. Bayteryakov, V. I. Mel'nikov, 26 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 18-27.

ATIC MCL-514/III

The Effect of the Rigidity of the Machine-Workpiece-Tool System on Cutting-Tool Life in the Machining of Heat-Resistant Alloys, by K. F. Ramanov, S. A. Golubev, 16 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 51-57.

ATIC MCL-514/III

The Strength of Glued Joints of Duralumin Parts, by I. N. Mikhalev, 9 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 61-63.

ATIC MCL-514/III

Organic Triplex, by Z. I. Mikheyeva, M. M. Rudikova, 5 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 64-66.

ATIC MCL-514/III

Scientific  
Engineering (Contd)

The Organization of Worker Training for Higher Skill and Versatility in the Aircraft Industry, (Discussion), by A. A. Vasilyev, 14 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 67-71.

ATIC MCL-514/III

Unification of the Materials for Manufacturing Standardized Parts and Improvement of Their Marking, by V. S. Grigor'yev, 7 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 72-75.

ATIC MCL-514/III

From Experience in X-Ray Inspection of Large-Size Parts, by B. V. Borshchev, 6 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 1, 1958, pp 77, 78.

ATIC MCL-514/III

On the Standardization of Geometrical Elements of Blades, by V. A. Maximov, I. I. Naumov, 9 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958, pp 3-6.

ATIC MCL-515/III

On the Question of Standardizing Drawings of Gas-Turbine Engine Blades and Determination of Dimension Accuracy, by S. P. Bardashev, 24 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958, pp 6-14.

ATIC MCL-515/III

Closer Tolerances for Castings and Stampings as a Source of Aircraft Weight Reduction, by N. I. Lobanov, 4 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958, pp 15, 16.

ATIC MCL-515/III

Vacuum Casting of Blades of Heat-Resistant Alloys, by A. V. Yemyashev, A. M. Zubko, P. D. Polyakov, 15 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958, pp 18-23.

ATIC MCL-515/III

Standardization of Longitudinal Beams of Assembly Jigs, by B. D. Protopopov, 7 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958, pp 24-26.

ATIC MCL-515/III



**Scientific  
Engineering (Contd)**

Unification of Technological Equipment --  
An Important Manufacturing Resource, by G. B.  
Deych, V. N. Shakhurin, 15 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 27-32.

ATIC MCL-515/III

The Rolling of Ribbed Sheets of Aluminum  
Alloys, by A. I. Mikheyev, N. F. Anoshkin,  
V. F. Kalugin, Kh. S. Proshchitskiy, 7 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 33-35.

ATIC MCL-515/III

Long Parts Manufactured of Pressed Shapes, by  
N. M. Krylova, V. M. Zhuravlenko, A. A. Timm,  
10 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 36-40.

ATIC MCL-515/III

Stainless Steel for Irregular Shape Casting,  
by V. S. Petrova, N. M. Tuchkevich, 7 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 53-55.

ATIC MCL-515/III

Heat-Resistant Alloy Filler for Brazing  
1Kh18N9T Stainless Steel, by A. I. Gubin,  
6 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 56-58.

ATIC MCL-515/III

Temperature Control of Hydraulic-Press Platens  
by Means of Accessory Adjuster Units, by G. A.  
Gusev, 3 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 2, 1958,  
pp 63, 64.

ATIC MCL-515/III

Gas-Shielded Automatic Welding of Large-Size  
Parts, by V. V. Diyachenko, G. A. Maslov,  
14 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 28-34.

ATIC MCL-516/III

Standardized Reinforced Concrete Elements of  
Assembly Jig Frameworks, by A. I. Gusev,  
D. P. Putsyn, 13 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 35-40.

ATIC MCL-516/III

Scientific  
Engineering (Contd)

Technological Features of Argon-Arc Welding of Titanium Parts, by D. A. Polyakov, A. P. Drugov, G. L. Rokhman, 9 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958, pp 40-44.

ATIC MCL-516/III

Welding and Heat Treatment of D20 Alloy, by S. V. Lashko-Avakyan, V. P. Kozlovskaya, A. S. Zvyagin, V. A. Skukst, 10 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958, pp 44-48.

ATIC MCL-516/III

Cold Working of Small Parts With Pressure, by P. D. Yermolayev, 15 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958, pp 37-43.

ATIC MCL-517/III

Machine-Tool Unit Assembly Arrangements for Manufacturing Instrument Parts, 19 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958, pp 46-54.

ATIC MCL-517/III

Manufacturing Ferrite Parts by Hot-Chamber Die Casting, by K. D. Zakharov, M. V. Suchkov, 7 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958, pp 55-57.

ATIC MCL-517/III

Assembly and Adjustment of Floated-Type Gyroscopes, by V. A. Verezentsev, 6 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958, pp 58, 59.

ATIC MCL-517/III

Instruments for Inspection of Parts of Plunger and Slide Valve Couples, by O. P. Belevskaya, 10 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958, pp 60-64.

ATIC MCL-517/III

Continuous-Flow Production of Varying Lots of Parts, by A. A. Likhachev, 19 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958, pp 70-77.

ATIC MCL-517/III

Scientific  
Engineering (Contd)

Stationary Transfer Molds, 4 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 5, 1958,  
pp 95-97.

ATIC WCL-517/III

Some Problems of Crystallization Cracking in  
Electroslag Welding, by S. A. Ostrovskaya.  
RUSSIAN, per, Avtomat Svarka, No 4, 1957,  
pp 33-47.

HB 4859

Finite Automata. II., by M. A. Anzerman,  
et al, 17 pp.  
RUSSIAN, per, Avtomat i Telemekh, Vol XXI,  
No 3, 1960, pp 359-363.

ACSI H-6534  
ID 2146522

Investigation of the Abrasion Resistance of  
Concrete Revetment of Hydraulic Structures,  
by V. Ya. Gorenbein.  
RUSSIAN, per, Beton i Zhelezobeton, No 10,  
1957, pp 413-415.

DSIR LLU M.949  
(loan)

Frost Resistance of Concrete Under Stress.  
Freezing-Thawing Tests, 16 pp.  
RUSSIAN, per, Beton i Zhelezobeton, No 2,  
1960, pp 58-64.

AID T-40

Device for Investigation of Algorithms of  
Street Traffic Control, by S. V. Yablonskiy,  
A. M. Gil'man, I. V. Kotel'nikov, P. M.  
Potylitsyn, (DC-4347).  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII,  
No 1, 1960, pp 78-81.

\*JPRS

A Higher Level of Efficiency in the Repair  
and Operation of Locomotives, by V. M.  
Terekhov.  
RUSSIAN, per, Elektricheskaya i Teplovozhaya  
Tyaga, No 2, 1957, pp 1-4.

ACSI H-6358 A  
ID 2146525

Diesel Train ER-1, by V. O. Kolesnichenko.  
RUSSIAN, per, Elektricheskaya i Teplovozhaya  
Tyaga, No 2, 1957, pp 11, 12.

ACSI H-6358 B  
ID 2146525

Three-Dimensional Flow in Axial Turbomachinery,  
by Y. A. Sirotkin.  
RUSSIAN, per, Energomash, No 10, 1959, pp 14-19.

\*AEC

Scientific  
Engineering (Contd)

Investigation of Heat Transfer in Annular Channels, by V. E. Doroshchuk, et al.  
RUSSIAN, per, Energomash, No 11, 1959, pp 22, 23.

\*AEC

Theoretical and Estimating Basis for a Design of a Thermal Drill, by A. V. Brichkin, et al.  
RUSSIAN, per, Gornyi Zhur, No 4, 1957, pp 24 30.

DSIR LLU ETS 1450

Conference on Automatic Control and Methods of Electrical Measurements, by A. M. Ilyukovich, 9 pp.  
RUSSIAN, per, Izmeritel Tekh, No 3, 1960, pp 57, 58.

JPRS 5076

September General Meeting of the Department of Technical Sciences, by M. S. Solomonov, 6 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk - Energetika i Avtomat, No 6, Nov/Dec 1959, pp 200-202.

JPRS 3654

The Flow of a Viscous Rarefied Gas Around a Flat Half-Infinite Plate, by A. I. Bunimovich.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 5, Sep/Oct 1959, pp 16-18.

\*NASA

The Laminar Boundary Layer at a Plate in a Supersonic Flow of a Slightly Rarefied Gas, by V. P. Myasnikov.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 5, Sep/Oct 1959, pp 127-130.

\*NASA

Problem of the Wave Motion of a Two-Component Medium, by Ya. Z. Kleymen, 17 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 1, Jan/Feb 1960, pp 60-69.

JPRS 5096

Elastic-Plastic Deformation of a Welded Cylindrical Shell of Different Materials, by V. S. Chernina, 15 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 1, Jan/Feb 1960, pp 133-140.

JPRS 5095

Scientific  
Engineering (Contd)

On the Loss of Stability of a Cylindrical Shell Under Dynamic Loading, by Yu. I. Kadashevich, A. K. Pertsev, (DC-4289).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 3, 1960, pp 30-33.

\*JPRS

The Motion of a Thin Blunted Cone With a Small Angle of Attack at a High Supersonic Speed, by V. V. Lunev, I. N. Murzinov, O. N. Ostapovich, (DC-4289).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 3, 1960, pp 121-125.

\*JPRS

New Technological Processes as a Basis for Automation of Working Metals by Pressure, by A. I. Tselikov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Toplivo, May 1959, pp 3-10.

\*HB 4862

The Effects of Hydrostatic Pressure on the Strength of a Hollow Cylinder, by A. A. Il'yushin, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Prob Mekh Mash, No 6, pp 110-112.

\*AEC

Analysis and Control of Thermal Conditions in Blast Furnace by Top Gas Composition, by A. N. Pokhvisnev, N. K. Zhilkin.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 9, 1959, pp 29-45.

\*HB 4871

New Methods of Sulphur Removal From Pig Iron Outside the Blast Furnace, by S. K. Sololev, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Nov 1959, pp 13-18.

HB 4858

Processes of Reduction and Primary Slag Formation in Blast Furnace on Fluxed Sinter, by Yu. M. Potebnya.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Dec 1959, pp 13-30.

\*HB 4867

Scientific  
Engineering (Contd)

Inter-Institutional Conference on the Application of Physical and Mathematical Modelling to Electrical Engineering Problems, by A. V. Ivanov-Smolenskiy, I. M. Tetel'baum, 6 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Elektromekh, No 1, 1960, pp 145-147.

JPRS 5074

First All-Union Conference on Electric Measurement Digital Computers, by Ye. I. Tanyakov, 10 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Elektromekh, No 2, 1960, pp 158-170.

JPRS 5075

Conference on the Use of Ion Exchange Resins in Hydrometallurgy and Machine Building, by A. I. Sinel'nikova, 4 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 1, 1960, pp 165, 166.

JPRS 5067

Method of Calculation of the Movement of Free-Flowing Materials in Rotary Kilns, Particularly Soda Kilns, by N. M. Boguslavskiy, RUSSIAN, per, Khim Prom, No 2, 1956, pp 89-97.

DSIR LLU RTS 1504

The Effect of Some Lubricating-Oil Additives on Pitting, by M. D. Bezborod'ko, G. S. Krivoshein.  
RUSSIAN, per, Khim i Tekh Topliva i Masel, No 11, 1959, pp 13-17.

DSIR LLU M.1566

Landing Skis of YAK-18A Airplane, 3 pp.  
RUSSIAN, per, Kryl'ya Rodiny, No 12, 1959, p 9.

AF 1419571

Semi-Automatic Manipulator for Closed-Die Forging Hammers, by M. A. Albert.  
RUSSIAN, per, Kuznechno-Shtampovchnee Proiz, No 7, 1959, pp 38-40.

BISI 1738

Drying Time of Veneer in Roller Dryers, by V. A. Knysh.  
RUSSIAN, per, Lesnaya Prom, Vol VII, No 12, 1958, pp 4, 5.

DSIR LLU M.1382

Czechoslovak Aerosol Generator, by Yu. D. Ishin.  
RUSSIAN, per, Lesnoye Khoz, Vol XI, No 9, 1958, pp 56, 57.

\*USDA

Scientific  
Engineering (Contd)

Laminated Fiberglass Lifeboats, by I. Al'shits,  
V. Smirnov.

RUSSIAN, per, Morskoy Flot, No 12, 1959, pp 42,  
43.

Navy 2589/ONI 714

High-Power High-Frequency Test Stand VIU-1  
MAI-VIAM (Vibration Test Stand No 1 of the  
Moscow Aviation Institute and the All-Union  
Institute of Aviation Materials) for Testing  
the Endurance and Vibration Strength of  
Parts and Units of Jet Engines and Aviation  
Materials, by A. M. Sulima, M. I. Yevstigneyev,  
V. M. Trusov, 19 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Mash  
i Prib, No 2, 1959, pp 110-119.

JPRS 5160

Pilot Tests of New Gas Anchor Design, by  
A. N. Adonin, K. A. Kadyanova, V. P. Troitskiy,  
V. V. Sazonov, 17 pp.

RUSSIAN, per, Neft Khoz, No 7, 1959.

MEB

A High-Temperature Resistance Furnace With  
a Graphite Heater, by V. V. Dobrovenskiy,  
et al.

RUSSIAN, per, Pribory i Tekh Eksper, No 6, 1959,  
pp 126, 127.

\*AEC

Taking Indicator Diagrams of High-Pressure  
Gas Compressors, by L. F. Vereshchagin, B. P.  
Demyashkevich, (NY-4712).

RUSSIAN, per, Pribory i Tekh Eksper, No 1,  
Jan/Feb 1960, pp 118-122.

\*JPRS

Rotor Internal Combustion Engine (Werkel  
Engine), 3 pp.

RUSSIAN, np, Prom-Ekon Gazeta, 7 Feb 1960,  
p 1.

AID SIR-3426

Design Principles of a Machine for Pattern  
Recognition, by V. E. Fayr, (3901-D/34).

RUSSIAN, per, Radiotekhnika, No 3, 1960,  
pp 13-17.

\*JPRS

Determining Suitable Conditions for Flame  
Case-Hardening, by V. V. Speshkov.

RUSSIAN, per, Sbornik Statey Trudov Krasnogo  
Znameni Zavod Tyazhelogo Mash ineni S.  
Ordzhonikidze, No 6, 1958, pp 41-49.

DEIR LLU RTS 1482

Scientific  
Engineering (Contd)

A Universal Dolly, 3 pp.  
RUSSIAN, np, Sovet Aviatsiya, 25 Dec 1959,  
p 2.

AF 1419533

Pneumatic-Hydraulic Equipment in Machine  
Tool Design, by Yu. I. Kuznetsov, V. K.  
Kudryashov.  
RUSSIAN, per, Stanki i Instrument, No 6,  
1958, pp 7-12.

DSIR LLJ M.802

The Group Machining of Components, by L. T.  
Shtern.  
RUSSIAN, per, Stanki i Instrument, No 7,  
1958, pp 7-15.

DSIR LLJ M.808

Choosing the Best Shape for the Out-of-  
Balance Weights of Vibrating Screeds, by  
L. M. Krakinovskiy.  
RUSSIAN, per, Stroitel i Dorozhnoye Mash,  
Vol III, No 12, 1958, pp 12-14.

DSIR LLJ M.514

Preparation of Stiff Concrete Mixes in  
Counter-Flow Mixers, by A. M. Isachenko.  
RUSSIAN, per, Stroitel i Dorozhnoye Mash,  
Vol IV, No 2, 1959, pp 5-7.

DSIR LLJ M.1478

Welding of Austenitic Steels, 3 pp.  
RUSSIAN, per, Svarochnoye Proiz, No 1,  
1960, pp 1-4.

AID SIR-3323

Continuous Quality Control of Boiler  
Feed Water and Condensate, by F. K. Evzerova.  
RUSSIAN, per, Teploenergetika, No 7, 1959,  
pp 65-69.

DSIR LLJ RTS 1517

The Influence of the Throttling of Flow, and  
of the Heated Proportion of the Tube Transfer,  
Upon the Critical Intensities of Heat Transfer,  
by V. E. Doroshchuk, F. P. Frid.  
RUSSIAN, per, Teploenergetika, No 9, 1959,  
pp 74-79.

DSIR LLJ RTS 1464

Aerosol Generators, by K. M. Aresev.  
RUSSIAN, per, Traktory i Selkhoz, No 12,  
1959, pp 18, 19.

\*USDA



Scientific  
Engineering (Contd)

On the Problem of the Converting of Mixed  
Mattes, by M. A. Abdeyev.  
RUSSIAN, per, Trudy Altayskogo Gornometallurg  
Nauch-Issled Inst, Ak Nauk Kazakh SSR, Vol IV,  
1957, pp 69-83.

DSIR LLU RTS 1461

New Machines and Devices for Pressing Liquid  
Metal, by V. M. Plyatskiy, 16 pp.  
RUSSIAN, per, Vest Mash, No 5, 1958, pp 42-47.

LLU Tr Bul  
June 1960

The Development of Forging Plants, by V. A.  
Massen, 16 pp.  
RUSSIAN, per, Vest Mash, Vol XXXVIII, No 8,  
1958, pp 32-38.

LLU Tr Bul  
May 1960

Linearized Problem on Propagation of a  
Strong Explosion in Non-homogeneous Atmosphere,  
by V. P. Karlikov, (DC-4317).  
RUSSIAN, per, Vest Moskov U, Ser Matemat, Mekh,  
Astron, Fiz, Khim, No 4, 1959, pp 27-39.

\*JPRS

Mobile Disinfectional Apparatus DAN-UL, by  
B. A. Nikol'skiy.  
RUSSIAN, per, Veterinariya, Vol XXXVII, No 1,  
1960, pp 68-70. 9057445

USDA

Method of Dry Dust Cleaning of Gases in a  
Machine With Centrifugal Action and "Turbo-  
Cyclane" Plant for the Realization of This  
Method, by B. V. Mil'vitskiy.  
RUSSIAN, Patent No 117,657, 1959, 4 pp.

DSIR LLU RTS 1478

A Narrow-Band Electro-Mechanical Device,  
by F. A. Katkov, 3 pp.  
RUSSIAN, Patent No 120,269.

ACSI H-6776  
ID 2146506

A Gyroscopic Device, by A. F. Khokhlov, 3 pp.  
RUSSIAN, Patent No 120,343.

ACSI H-6777  
ID 2147199

Scientific  
Engineering (Contd)

The Influence of the Degree of Eccentricity  
in a Stiefel Piercing Mill on the Possible  
Formation of External Spiral Defects  
During Piercing, by V. Dedek.  
CZECH, per, Hutnicke Listy, No 10, Prague,  
1959, pp 882-892.

BISI 1506

Distribution of Neutrons in the Central  
Cell and a Periferal Cell of the Fontenay-  
Aux-Rose Pile, by F. Roullier, 7 pp.  
FRENCH, rpt, CEA-844.

AEC NP Tr-413

The Influence of Various Factors on the  
Results of the Erichson Tests, by M. Jentet.  
FRENCH, Papers Presented at a Colloquium  
on Deep Drawing Held in Paris, 23-25 May  
1960.

BISI 1791

Ultrasonic Testing of Deep Drawing Sheets,  
by W. Lehfelßt.  
FRENCH, Papers Presented at a Colloquium  
on Deep Drawing Held in Paris, 23-25 May  
1960.

BISI 1792

Effect of the Anisotropy of Sheets on  
Their Plastic Deformation Under Uniaxial  
and Biaxial Stresses, by C. Crussard, et al.  
FRENCH, Papers Presented at a Colloquium  
on Deep Drawing Held in Paris, 23-25 May  
1960.

BISI 1793

Study of Electrostatic Generators With  
Insulated Conveyers, by E. Gardner.  
FRENCH, per, Revue Generale de l'Electricite,  
Vol LXII, 1953, pp 71-86, 136-151.

\*AEC

Improvements in the Production of Open-  
Hearth Furnaces Heated by Low Calorie Gas  
by the Injection of Compressed Fluids  
Into Their Gas Burners, by L. Septier,  
et al.  
FRENCH, per, Revue Metallurgie, Feb 1959,  
pp 179-202; Centre Doc Sider Circ, No 2,  
1959, pp 445-460.

BISI 1693

Scientific  
Engineering (Contd)

On the Stability of Circular Gas-Lubricated Bearings, by V. N. Constantinescu.  
FRENCH, per, Studii si Cercetari de Mecanica Aplicata, Vol X, 1959, pp 1-24.

\*ABC

Improved Rotary Devices Suitable as Multiplex Circulation Pumps or as Motors.  
FRENCH, Patent No 900,188, Graetz Aktiengesellschaft.

Patent Office

Protective Device for Electrical Circuits Incapable of Remaining Under Load for Prolonged Periods, by Rene Bencherif.  
FRENCH, Patent No 1,040,795.

Patent Office

Follower Piston for Ball-Point Writing Device, by Jean-Emile-Rene Droubay.  
FRENCH, Patent No 1,079,997 (minus resuem).

Patent Office

Branch Pipe or Distribution Element, by A. G. Friedrich, W. Bornscheuer, Hans Martin, Georg Strigl.  
FRENCH, Patent No 1,092,797 and corresponding German Patent No 940,081.

Patent Office.

Rolling Chassis for Cheese Vats or the Like.  
FRENCH, Patent No 1,162,747.

Patent Office

Fire Control Equipment, 20 pp.  
GERMAN, rpt.

ACSI H-6779  
ID 2147203

Munitions on the Lathe, 6 pp.  
GERMAN, rpt, pp 31, 32.

ACSI H-6697  
ID 2146504

Works Tests on Power Requirement in the Ehrhardt Process for Manufacturing Tubes, by A. Geleji, et al.  
GERMAN, per, Acta Technica Academiae Scientiarum Hungaricae, No 3/4, 1958, pp 395-412.

BISI 1564

Fundamental Principles on the Digital Presentation and Processing of Data With Special References to Computers, by R. Wartmann.  
GERMAN, per, Archiv Eisenhüttenwesen, Aug 1959, pp 513-518.

BISI 1564

Scientific  
Engineering (Contd)

Non-Destructive Materials Testing, Magnetic Particle Inspection. III. Innovations, by H. J. Marschall.

GERMAN, per, Archiv Technisches und Industrielle Messtechnik, Vol XCI, No 283, Aug 1959, pp 191-193, 161-164.

BISI 1590

Diesel Hydraulic Switch Locomotives, 6 pp.  
GERMAN, per, Eisenbahn, No 3, Mar 1960, pp 33-36.

ACSI H-6602  
ID 2146520

Prediction of Various Tube Deposits in Coal-Fired Boilers, by K. Wickert, 29 pp.  
GERMAN, per, Energie, Vol X, 1958, pp 267-277.

AEC Tr-4103

Present-Day Possibilities of Low-Scale and Scale-Free Heating of Steel for Hot Working, by P. O. Veh.  
GERMAN, per, Industrie-Anzeiger, 7 Apr 1959, pp 410-412.

BISI 1625

Gravitational Effect as a Developmental Principle of Hovering Equipment, 62 pp.  
GERMAN, per, Luftfahrttechnik.

ACSI H-6502  
ID 2147175

Sandwich Designs With Honeycomb Cores in Aircraft Construction, by E. W. Pleines, 50 pp.  
GERMAN, per, Luftfahrttechnik, Sep 1958, pp 230-243.

ATIC F-TS-9934/V

Influence of Hydrodynamic Lubrication of Smooth Bearing Development, by W. Frossel.  
GERMAN, per, Maschinenmarkt, Vol LXI, No 40, 1956.

\*AEC

Bearing for Fast Rotating High Power Drives, by W. Frossel.  
GERMAN, per, Maschinenmarkt, Vol LXIII, No 22, 1957.

\*AEC

Thermo-Electric Method of Measuring the Bath Level in Continuous Casting, by A. Elkershausen.  
GERMAN, per, Neue Hutte, Jan 1960, pp 31-36.

\*BISI 1809

Scientific  
Engineering (Contd)

The Level of Development of the All-Basic Open-Hearth Furnace in the German Democratic Republic, by F. Rabes, L. Ullsperger.  
GERMAN, per, Neue Hütte, Apr 1960, pp 224-232.

BISI 1759

Metallurgical Factors for Welding Stainless and Heat-Resisting Steels, by A. Bernstein.  
GERMAN, per, Schweissen und Schneiden, Feb 1960, pp 55-61.

\*BISI 1811

A New Point Location System for High-Current Underground Cable, by Hans Henneberg, (DC-4259).  
GERMAN, per, Siemens Z, No 11, 1959, pp 698-703.

\*JPRS

Method and Device for Ignition of the Propellant Charge of a Projectile, 3 pp.  
GERMAN, per, Soldat und Technik, No 1, 1960, p 632.

ACSI H-6415  
ID 2146502

T-10 Tank, by F. M. von Senger, Etterlin, 16 pp.  
GERMAN, per, Soldat und Technik, No 3, 1960.

ACSI H-6845  
ID 2147218

Investigations on Hot Blast Stoves, by K. Kessels.  
GERMAN, per, Stahl und Eisen, Jul 1955, pp 958-974.

\*BISI 1808

The Hydraulic 25-Ton Bar Drawing Bench of the Max-Planck-Institute for Iron Research and Its Possibilities of Use, by W. Lueg, O. Pawelski.  
GERMAN, per, Stahl und Eisen, 11 Dec 1958, pp 1812-1815.

BISI 1476

Influence of Ageing on the Precipitation Phenomena Occurring in Temper-Rolled Sheets Made of Deep-Drawing Steel, by P. Funke, W. Lueg.  
GERMAN, per, Stahl und Eisen, Oct 1959, pp 1398-1411.

BISI 1561

Results Obtained From Running Two Gas Turbine Plants in Belgian Metallurgical Works, by E. Aguet.  
GERMAN, per, Stahl und Eisen, 15 Oct 1959, pp 1479-1483.

BISI 1494

Scientific  
Engineering (Contd)

Mechanical Properties of Seamless Tubes in Low Carbon Steels, by V. Kravchenko.

GERMAN, per, Stahl und Eisen, 26 Nov 1959, pp 1801-1803.

BISI 1630

Ring Rolling and the Construction of Ring Mills, by K. H. Weber.

GERMAN, per, Stahl und Eisen, 24 Dec 1959, pp 1912-1923.

BISI 1555

New Procedure for Heating Open-Hearth Furnaces With Cold Gas and Fuel Oil, by W. Schmitt.

GERMAN, per, Stahl und Eisen, Apr 1960, pp 616-619.

BISI 1760

Preliminary Tests of Lump Size Ores With a View to Their Behaviour in the Blast Furnace, by H. Birnbaum, et al.

GERMAN, per, Stahl und Eisen, 9 Jun 1960, pp 781-788.

\*HB 4852

On the Corrosion of Silica Roof Bricks With a Low Content of Fluxing Agents, by S. Kienow.

GERMAN, per, Stahl und Eisen, 23 Jun 1960, pp 882-888.

\*BISI 1813

Surface Hardening of Gears, by E. Hohne.

GERMAN, per, Verein Deutscher Ingenieure Z, 21 Feb 1958, pp 241-248.

BISI 1343

Rotating and Round Bore Machines as Combustion Engines. Rotating and Round Bore Machine, Presentation of a New Construction of Combustion Engines With Unusual Properties, by E. Schmidt; Thermodynamic Investigations on a Round Bore Machine, by E. W. Huber; Research on Rotating and Round Bore Combustion Engines, by W. Froede.

GERMAN, per, Verein Deutscher Ingenieure Z, Vol CII, 1960, pp 293-322.

\*AEC

Lubricating Condition in Internal Combustion Engines, by H. W. Rahmensee.

GERMAN, per, Verein Deutscher Ingenieure Z, Vol CII, 1960, pp 347-349.

\*AEC

Scientific  
Engineering (Contd)

Influence of the Oil Film Friction Bearings on the Vibrational Behavior of the Shaft, by Erwin Kramer.

GERMAN, per, Verein Deutscher Ingenieure Z., Vol CII, 1960, pp 383, 384.

\*ABC

Summary of the Results of Joint Long-Time Creep Tests: Conclusions for Steam-Plant Construction, by W. Ruttman, R. Schinn. GERMAN, per, Vereinigung Grosskesselbesitzer Mitt., Dec 1958, pp 411-420.

BYBI 1515

New Developments in Hydraulic High-Speed Presses for Open Forging, by H. Hessler. GERMAN, per, Werkstattstechnik, Apr 1959, pp 217-223.

\*BISI 1770

Process for Controlling the Operation of Boiler Furnaces by Measuring the Carbon Monoxide and Carbon Dioxide Content of the Waste Gases, by Carl Bamberg-Friedenau. GERMAN, Patent No. 496,436.

Patent Office

Combustion Regulator. GERMAN, Patent No 500,700.

Patent Office

Hydraulic Engine With Rotary Control Valve and Two Juxtaposed Oppositely Moving Pistons Each Coupled With an Air Pump Piston, by Wilhelm Sauer. GERMAN, Patent No 543,656.

Patent Office

Rotor Consisting of Two Disks for Gas Turbines and Turbocompressors. GERMAN, Patent No 557,860. C. Lorenzen G.m.b.H.

Patent Office

Touch Board for Learning to Typewrite. GERMAN, Patent No 839,122.

Patent Office

Cooling of Turbogenerator Rotor Winding Disposed in Slots. GERMAN, Patent No 938,801.

Patent Office

Vehicle With Structures Which Can Be Set Down and Lifted by the Hydraulic Tipping Mechanism. GERMAN, Patent No 959,884.

Patent Office

Scientific  
Engineering (Contd)

The New Porous Construction Materials, 11 pp.  
GREEK, per, Elektrotehnikai Epitheorisis, Jun  
1959, pp 37-40.

ACSI H-6523  
ID 2144374

Ingot Moulds From Nodular Cast Iron, by B.  
Koros.  
HUNGARIAN, per, Kohaszerati Lapok, Budapest,  
Apr 1959, pp 111-113.

\*BISI 1814

The Grinding of Coal for the Production of  
Coke. II. Disintegrating and Impact Hammer  
Type Mills, by V. Charvat.  
ITALIAN, per, Paliva, No 6, 1956, pp 185-192.

BISI 1581

Machine for Extracting Essences From Citrus  
Fruit Waste, by Giovanni Mineo, Girolamo  
Di Vita.  
ITALIAN, Patent No 274,211.

Patent Office

Nine Percent Cr -- One Percent Mo Steel  
Tubes for Power Boilers, by J. Omori.  
JAPANESE, per, Sumitomo Metals, Apr 1959,  
pp 11-22.

\*BISI 1801

Vibration Induced on Railway Track by Train.  
JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Oct  
1959, pp 9-13.

USACRAPAC, PD  
Tr No 101815-A

Velocity-Distance Automatic Data Recorder.  
JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Oct  
1959, p 24.

USACRAPAC, PD  
Tr No 101815-A

Performance Test of Hydraulic Shock Absorber  
(Type HD 2B, HD 2B X and others) for Freight  
Car Coupler.  
JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Oct  
1959, pp 31-33.

USACRAPAC, PD  
Tr No 101815-A

Brake Test of Flat Car (Chiki-5000) for  
Loading 5-Ton Containers.  
JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Oct  
1959, pp 35-37.

USACRAPAC, PD  
Tr No 101815-A

Running and Impact Tests of Flat Car (Chiki-  
5000) for Loading 5-Ton Containers.  
JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Oct  
1959, pp 37, 38.

USACRAPAC, PD  
Tr No 101815-A



Scientific  
Engineering (Contd)

Vibration Test of Flat Car (Chiki-5000) for  
Loading 5-Ton Containers.

JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Oct  
1959, pp 38, 39.

USACRAPAC, PD  
Tr No 101815-A

Test of Type "B" Automatic Train Stop Apparatus.  
JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Nov  
1959, p 23.

USACRAPAC, PD  
Tr No 101815-B

Test Model -EH 1051 Air-Brake Moisture Elim-  
inator.

JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Nov  
1959, p 36.

USACRAPAC, PD  
Tr No 101815-B

Practical Life Test of TRA-12 Type Storage  
Batteries Bought in 1955, Rpt 4.

JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Jan  
1960, pp 29, 30.

USACRAPAC, PD  
Tr No 101815-C

Performance Test on Simplified AC Electric  
Car Transmission System.

JAPANESE, per, Tetsudo Gijutsu Kenkyujo, Jan  
1960, p 31.

USACRAPAC, PD  
Tr No 101815-C

Investigations on (Creep) Deformations and  
Stress Relaxations in Steamed Beech Wood,  
by Maciej Lawniczak.

POLISH, per, Instytut Technologii Drewna,  
Vol V, Prace, 1958, pp 61-81.

DSIR LIT M-1283

Diagrams for Isothermal Transformation Valid  
for Some Swedish Standardized Tool Steels, by  
G. Molinder.

SWEDISH, per, Jernkon Tekh Rad Meddelanden,  
No 203, 1954, pp 263-290.

BISI 1643

Vehicle With Body Tilttable in Different  
Directions, by Adolph Saurer.

SWISS, Patent No 223,678.

Patent Office

The Principle of Minimum Drag and the Con-  
struction of the Characteristics of the  
Runner of an Axial-Flow Fan, by V. N. Ershov.

UKRAINIAN, per, Sbornik Trudov Laboratorii  
Gidravlicheskikh Mashin, Ak Nauk Ukrain SSR,  
No 6, 1956, pp 74-85.

DSIR LIT M-575

Scientific

Fuels

The Moisture Effect in the Blast on the Process of Combustion of Coke in a Blast Furnace, by A. A. Markin, M. Ya. Ostroukhov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1956, pp 56-63.

DSIR LLU M.1544

Automated Determination of Mechanical Properties of Coke, by G. M. Dmitriyev, G. I. Enik.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Toplivo, No 1, 1960, pp 174, 175.

HB 4813

Preparation of the Coal Charge by Means of Pneumatic Separation, by I. M. Lazovskiy, et al. RUSSIAN, per, Koks i Khim, No 6, 1959, pp 5-8.

DSIR LLU M.1552

Study of the Influence of the Degree of Crushing and Ramming of the Coal Charge on Coke Quality When Slightly Sintered Coals Are Used, by M. Dobrowolski, et al.

POLISH, per, Koks Smoka Gaz, No 4, 1956, pp 141-143.

DSIR LLU M.1546

Scientific  
Geophysics

Arctic. Expeditions and Drifting Stations 1956-1958.

RUSSIAN.

Amer Meteorol Soc  
AF Cambridge Res Center

Principles of Meteoritics, by E. L. Krinov,  
540 pp.

RUSSIAN, bk.

Pergamon Press

The Aral Sea, by V. I. Gynaryev.

RUSSIAN, bk, Aral'skoye More, 1959, 62 pp.

9057443

USDA

Atlas of the Heat Balance, by M. J. Budyko,  
25 pp.

RUSSIAN, bk, Atlas Teplovogo Balansa.

ACSI E-6795  
ID 2147214

Statics of Earthy Media, by V. V. Sokolovskiy.

RUSSIAN, bk, Statika Sypuchey Sredy, 1954.

Butterworth's Sci Publ  
4-5 Bell Yard  
Temple Bar  
London, WC2

The Statics of Soil Media, by V. V. Sokolovskiy.

RUSSIAN, bk, Statika Sypuchey Sredy, Butterworth's  
Scientific Publication, 1960. Revised edition

DSIR LLU  
May 1960

Theory of Fluctuating Phenomena in the Propagation of Waves in a Turbulent Atmosphere,  
by V. I. Tatarskiy, 336 pp.

RUSSIAN, bk, Teoriya Fluktuatsionnykh Yavleniy pri Rasprostraneni Voln v Turbulentnoy Atmosfere, 1959, pp 3-232.

JPRS 5174

The Problems of the Anomalous Distribution of Densities in the Chromosphere, by I. S.

Shklovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVIII, No 5, 1949, pp 829-831.

ATIC MCL-80/III

Electrical Discharge During the Flight of Meteors in the Earth's Atmosphere, by V. P. Dokuchayev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 1, 1960, pp 78-81.

JPRS 3720

Scientific  
Geophysics (Contd)

On the Influence of Turbulent Diffusion in the Direction of the Wind on the Distribution of the Concentration of a Substance That Is Being Diffused in the Atmosphere, by I. L. Karol', 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 6, 1960, pp 1283-1286.

JPRS 5050

The Isothermal Dispersion of a Gas Cloud, by V. S. Imshennik, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 6, 1960, pp 1287-1290.

JPRS 5049

Ionized Gas and High-Speed Electrons in the Vicinity of the Earth and in Interplanetary Space, by K. I. Gringauz, V. G. Kurt, V. I. Moroz, I. S. Shklovskiy, 13 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII, No 5, 1960, pp 1062-1065.

JPRS 5346

Sand Traps on Canals, by O. L. Yushmanov, 11 pp.

RUSSIAN, per, Gid i Meliorat, No 1, 1956, pp 28-34.

OTS 60-21107  
PL 480

The Lining of Irrigation Canals, by G. A. Bagramyan, 7 pp.

RUSSIAN, per, Gid i Meliorat, Vol VII, 1958, pp 20-27.

OTS 60-21108  
PL 480

An Electronic Correlator for Ionospheric Measurements, by T. A. Gallit, V. D. Gusev, 6 pp.

RUSSIAN, per, Informat Byull, Mezhdunarodno-stvennyi Komitet po Provedeniyu MGG, No 8, 1960, pp 42-46.

Amer Meteorol Soc  
AF Cambridge Res Center

Great Eye, by V. Parin, 5 pp.

RUSSIAN, np, Izvestiya, 17 May 1960, p 3.

IGC  
OTS PB-131632-124

Large-Scale Movements in the Subphotospheric Layers of the Sun, by V. E. Stepanov, M. A. Kliakotko, 20 pp.

RUSSIAN, per Iz Ak Nauk SSSR, Krymskaya Astro Obs, Vol XVI, 1956, pp 80-99.

Amer Meteorol Soc  
AF Cambridge Res Center

Scientific  
Geophysics (Contd)

The Influence of the Surface Layer of the Atmosphere on the Spread of a Heavy Homogeneous Contaminant Originating at a High Instantaneous Point Source, by I. L. Karol', (DC-4232).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 7, 1959, pp 1079-1084.

\*JPRS

The Investigation of the Spectrum of Light Ions in the Free Atmosphere, by L. R. Tsvang, N. N. Komarov, (DC-4327).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 8, 1959, pp 1167-1176.

\*JPRS

Characteristics of the Coagulation Growth of Hailstones Associated With Change in Velocity of Vertical Currents by Height, by N. Sh. Bibilashvili, V. F. Lapcheva, A. A. Ordzhonikidze, G. K. Sulakvelidze, 3 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 4, 1960, pp 585-593.

IGC  
OTS PB-131632-124

On the Spatial and Intermittent Fluctuations of Natural Atmospheric Radioactivity, by S. G. Malakhov, (DC-4291).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 698-706.

\*JPRS

Measuring Electrical Charges in Artificial Fogs and Natural Clouds, by I. B. Pudovkina, (NY-4649).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 707-713.

\*JPRS

Photoelectric Observations of Pulsating Forms of Aurora, by N. V. Dzhordzhio, (NY-4649).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 714-719.

\*JPRS

Three "Velocities" of Corpuscular Streams From Chromospheric Flares, by O. M. Barsukov, (NY-4649).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 743-745.

\*JPRS

Scientific  
Geophysics (Contd)

Some Results of Simultaneous Photographic and Radar Observations of Auroras, by V. I. Pogorelov, (NY-4649).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 753-755.

\*JPRS

Experience of Measuring the Corpuscular Radiation in the Upper Atmosphere, by L. A. Antonova, (NY-4649).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 756-757.

\*JPRS

On a Hypothesis of a Quasi-Stationary Surface Layer in the Theory of Turbulent Diffusion of a Heavy Aerosol in the Boundary Layer of the Atmosphere, by I. L. Karol', (NY-4649).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5, 1960, pp 758-761.

\*JPRS

Hydroxyl Radiation in the Upper Atmosphere, by N. I. Fedorova, (NY-4650).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6, 1960, pp 836-846.

\*JPRS

Acoustical Anemometer, by V. M. Bovsheverov, (NY-4656).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6, 1960, pp 882-885.

\*JPRS

The Kinetic Energy of Atmospheric Movements, by G. V. Gruza, (NY-4656).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6, 1960, pp 892-897.

\*JPRS

Radioactivity in the Air in Connection With Meteorological Conditions in the Region of El-brus, by T. P. Amineva, (NY-4656).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6, 1960, pp 898-902.

\*JPRS

Spectral Studies of the Twilight Sky in the Infrared Region, by T. G. Megrelishvili, (NY-4650).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6, 1960, pp 910-918.

\*JPRS

Scientific  
Geophysics (Contd)

Conference on the Problem of Sun Troposphere, by  
Yu. V. Spiridonova, (DC-4233).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf, No. 3,  
1960, pp 157-159.

\*JPRS

General Meeting of the Department of Geological-  
Geographical Sciences of the Academy of Sciences  
USSR, 22-23 February 1960, by S. D. Ardashnikova,  
(DC-4357).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog, No 7,  
1960, pp 122-126.

\*JPRS

Morpho-Biological and Morphometric Characteristics  
of Pink Salmon of the Amgun' and Iska  
Rivers, by R. Bayutina, 8 pp.  
RUSSIAN, per, Iz Tikhookeanskogo Nauchno-  
Issled Inst Rybnogo Khoz i Okean, Vol XLII,  
1954, pp 333-336.

OTS 60-21097  
PL 480

Determining the Diurnal Amount of Food Con-  
sumed by the Young of Sockeye Salmon and the  
Three-Spined Stickleback by the Use of the  
Respiration Method, by E. M. Krokhin, 21 pp.  
RUSSIAN, per, Iz Tikhookeanskogo Nauchno-  
Issled Inst Rybnogo Khoz i Okean, Vol XLIV,  
1957, pp 97-110.

OTS 60-21106  
PL 480

Tidal Circulation and Its Role in the Hydro-  
logical Regime of the Black Sea, by A. K.  
Bogdanova, L. N. Kropachev, 12 pp.  
RUSSIAN, per, Met i Gid, No 4, 1959, pp 26-33.

Amer Meteorol Soc  
AF Cambridge Res Center

The Relationship Between the Advective and  
Turbulent Components of Heat Transport in  
the Atmosphere, by V. G. Semenov, 7 pp.  
RUSSIAN, per, Met i Gid, No 10, 1959, pp 3-7.

Amer Meteorol Soc  
AF Cambridge Res Center

Vertical Flows in the Troposphere, by P. K.  
Dushkin, Ye. G. Lomonosov, 14 pp.  
RUSSIAN, per, Met i Gid, No 1, 1960,  
pp 3-9.

JPRS 5378

Methods of Study and Calculation of Non-  
Periodic Currents in the Sea, by N. A.  
Belinskiy, M. G. Glagoleva, 12 pp.  
RUSSIAN, per, Met i Gid, No 3, 1960, pp 18-25.

JPRS 2891

Scientific  
Geophysics (Contd)

Thermal Boundaries of the Initial Crystallization  
of Clouds, by A. P. Chuvayev, 7 pp.

RUSSIAN, per, Met i Gid, No 3, 1960, pp 26-28. JPRS 3592

The Influence of the Density of Water on  
Deviations of the Sea Level From the Surface  
of the Geoid, by N. K. Khanaychenko, 8 pp.

RUSSIAN, per, Met i Gid, No 3, 1960, pp 35-37. JPRS 2892

The Complex Automatization of Hydrometeoro-  
logical Measurements, by A. A. Syyko, A. I.  
Danilin, 4 pp.

RUSSIAN, per, Met i Gid, No 3, 1960, pp 44, 45. JPRS 3593

Transactions of the Scientific Research Insti-  
tutions of the Hydrometeorological Service  
of the USSR 1959, 15 pp.

RUSSIAN, per, Met i Gid, No 3, 1960, pp 57-61. JPRS 3595

Literature on Meteorology, Hydrology and  
Oceanography, (NY-4683).

RUSSIAN, per, Met i Gid, No 5, 1960, pp 56-58. \*JPRS

Agrometeorological Forecasts, the Most  
Important Form of Agricultural Service, by M. S.  
Kulik, (SF-1028).

RUSSIAN, per, Met i Gid, No 6, 1960, pp 3-8. \*JPRS

Literature on Meteorology, Hydrology and  
Oceanography in 1959, (SF-1028).

RUSSIAN, per, Met i Gid, No 6, 1960, pp 46-49. \*JPRS

Latitude Service, by A. M. Kalmykov, 4 pp.

RUSSIAN, per, Nauka i Zhizn', No 3, 1960,  
pp 44-46. IGC  
OTS PB-131632-128

Geophysical Studies, by Eded Laslo, 3 pp.

RUSSIAN, per, Nauka i Zhytta, No 5, 1960,  
pp 57, 58. IGC  
OTS PB-131632-126

Conditions of Soil Formation and Soils of  
Asia Minor, by B. B. Polynov, N. N. Rozov,  
13 pp.

RUSSIAN, per, Pochvoved, No 9, 1944, pp 426-  
432. OTS 60-21115  
PL 480



Scientific  
Geophysics (Contd)

Hydrophysical Methods of Calculating the Water  
Balance of Bogs, by V. V. Romanov, 12 pp.  
RUSSIAN, per, Pochvoved, No 8, 1956, pp 49-56.

OTS 60-21121  
PL 480

Classification of Eroded Soils, by G. A.  
Preshnyakova, 42 pp.  
RUSSIAN, per, Pochvoved, No 10, 1956, pp 69-90.

OTS 60-21122  
PL 480

Development of the Doctrine of Soils Genesis  
in Soviet Pedology, by E. V. Lobova, E. N.  
Ivanova, N. A. Nogina, V. M. Fridland, 26 pp.  
RUSSIAN, per, Pochvoved, No 12, 1957, pp 1-19.

OTS 60-21113  
PL 480

The Earth's Corona, by I. Shklovskiy, 6 pp.  
RUSSIAN, np, Pravda, 25 May 1960, p 6.

IGC  
OTS PB-131632-126

Tectonics and Rock Densities in the Buguruslan  
Area, by L. N. Rozanov, 17 pp.  
RUSSIAN, per, Prik Geofiz, No 3, 1947.

MEB

Phase Distortions and Amplitude Variation  
for Large Seismograph Spreads, by N. N.  
Puzylev, 25 pp.  
RUSSIAN, per, Prik Geofiz, No 17, 1957.

MEB

Soil Temperature Change in Moscow Area, by  
A. M. Chekotillo, 3 pp.  
RUSSIAN, per, Priroda, No 8, 1956, pp 114, 115.

OTS 60-21116  
PL 480

Permanent Suspension of Nuclear Testing, by  
Ye. K. Federov, 9 pp.  
RUSSIAN, per, Priroda, No 3, 1960, pp 5-10.

JPRS 3610

By the Efforts of the Scientists of Sixty-  
Five Countries, by B. I. Silkin, 7 pp.  
RUSSIAN, per, Priroda, No 4, 1960, pp 35-42.

IGC  
OTS PB-131632-130

Radio Emission of the Moon, by A. Ye.  
Salomonovich, (NY-4648).  
RUSSIAN, per, Priroda, No 5, 1960, pp 11-18.

\*JPRS

The Appearance of Underwater Landslides on  
the Echo Tape, by V. T. Martynov, 11 pp.  
RUSSIAN, per, Problemy Arktiki, No 3, 1958,  
pp 95-101.

Amer Meteorol Soc  
AF Cambridge Res Center

Scientific  
Geophysics (Contd)

The "Age" of Atlantic Water in the Arctic Basin,  
by V. T. Timofeyev, 6 pp.  
RUSSIAN, per, Problemy Arktiki, No 5, 1958,  
pp 27-31.

Amer Meteorol Soc  
AF Cambridge Res Center

The Thermal Balance of the Ice Cover of the  
Central Arctic, by G. N. Yakovlev, 18 pp.  
RUSSIAN, per, Problemy Arktiki, No 5, 1958,  
pp 33-44.

Amer Meteorol Soc  
AF Cambridge Res Center

An Expedition for Setting Out Alekseyev  
Beacons in Spring 1958, by Kh. G. Bunyak, 3 pp.  
RUSSIAN, per, Problemy Arktiki, No 6, 1959,  
pp 135-137.

Amer Meteorol Soc  
AF Cambridge Res Center

Surface Waters in the Arctic Basin, by A. F.  
Treshnikov, 12 pp.  
RUSSIAN, per, Problemy Arktiki, No 7, 1959,  
pp 5-14.

Amer Meteorol Soc  
AF Cambridge Res Center

The Role of Turbulence in the Transport of  
an Atmospheric Eddy, by L. Yu. Ryshakov,  
15 pp.  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 1, 1959, pp 25-31.

JPRS 5161

Calculation of the Heat Fluxes in the Ice  
Cover, by A. V. Janes, 15 pp.  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 1, 1959, pp 49-58.

Amer Meteorol Soc  
AF Cambridge Res Center

Experimental Determination of the Specific  
Heat and Thermometric Conductivity of Sea  
Ice, by Yu. L. Nazintsev, 10 pp.  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 1, 1959, pp 65-71.

Amer Meteorol Soc  
AF Cambridge Res Center

The Problem of Sea Ice Accretion, by Yu. P.  
Doronin, 10 pp.  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 1, 1959, pp 73-80.

Amer Meteorol Soc  
AF Cambridge Res Center

Stations for Improving Natural Propagation  
of Far East Salmon, by G. V. Nikolakiy, 9 pp.  
RUSSIAN, per, Rybnyye Khoz, Vol XXXII, No 2,  
1956, pp 55-59.

OTS 60-21C98  
PL 480

Scientific  
Geophysics (Contd)

Saury Concentration Areas and Fisheries in the Pacific Ocean, by Yu. V. Novikov, L. V. Klyuyev. RUSSIAN, per, Rybnoye Khoz, vol XXXIV, No 5, 1958, pp 8-13.

OTS 60-21100  
PL 430

A Theory for Soil Temperature Calculation, by L. N. Gutman, 57 pp. RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 3-49.

Amer Geophys Union

On the Determination of the Steady Wind Current in a Baroclinic Ocean's Baroclinic Layer, by A. S. Sarkisyan. RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 50-61.

Amer Geophys Union

The Influence of Clouds on the Atmospheric Heat Balance, by Ye. M. Feigel'son. RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 62-88.

Amer Geophys Union

Atmospheric Cooling by Radiational Heat Exchange, by M. S. Malkevich. RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 89-101.

Amer Geophys Union

The Temporal Change of Air Temperature by Turbulent Mixing and Radiational Heat Exchange, by M. S. Malkevich. RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 102-119.

Amer Geophys Union

Theoretical Consideration of the Solar Radiation Absorbed by the Atmosphere for Different Time Intervals, by M. S. Malkevich. RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 120-131.

Amer Geophys Union

Scientific  
Geophysics (Contd)

On a Method of Calculating the Advective Heat Influx, by S. Ya. Kogan.

RUSSIAN, per, Sbornik Statei po Dinamicheskoy Meteorologii, Trudy Geofiz Inst, No 37 (164), 1956, pp 132-.

Amer Geophys Union

Movement in the Soil of the Working Parts of Soil Cultivating Machines in the Initial Stage of Operation, by G. N. Sineokov, 18 pp. RUSSIAN, per, Sel'khoz mashina, No 3, 1952, pp 5-10.

OTS 60-21119  
PL 480

The Question of the Evolution of Typhoons, by A. V. Sharapov, (DC-4344). RUSSIAN, per, Trudy Dal'nevostochnogo Nauch-Issled Gidrometeorol Inst, No 7, 1959, pp 33-45.

\*JPRS

The Processing of Instrument Observations of Earthquakes by Means of the Epicentral Method, by S. I. Golenetskiy, 18 pp. RUSSIAN, per, Trudy Inst Seismol Ak Nauk Tadzhik SSR, Vol LIV, 1956, pp 41-56.

AEC SCL T-306

The Heat Exchange Between the Atmosphere and the Ocean in the Central Arctic, by D. P. Besselov, 15 pp. RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 30-41.

Amer Meteorol Soc  
AF Cambridge Res Center

Several Regularities of the Heat Regime of the Central Arctic, by D. L. Laikhtman, 8 pp. RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 42-47.

Amer Meteorol Soc  
AF Cambridge Res Center

The Problem of Calculating the Components of the Heat Balance During the Winter, by L. P. Orlenko, A. V. Smetannikova, 12 pp. RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 48-60.

Amer Meteorol Soc  
AF Cambridge Res Center

Scientific  
Geophysics (Contd)

The Coefficient of Turbulent Exchange in the Sea, and an Estimate of the Heat Flow From Ocean Waters, by D. L. Laikhtman, Yu. I. Doronin, 6 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 61-65.

Amer Meteorol Soc  
AF Cambridge Res Center

The Degree of Heat Transformation Aloft in the Arctic, by I. M. Dolgin, 12 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 66-75.

Amer Meteorol Soc  
AF Cambridge Res Center

Certain Data on the Heat Conductivity of Ice and Snow and a Method of Determination, by D. L. Laikhtman, N. V. Serova, A. V. Smetannikova, 13 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 99-108.

Amer Meteorol Soc  
AF Cambridge Res Center

Calculation of the Longwave Radiation Balance During an Overcast Sky in the Arctic, by M. S. Marshunova, 6 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 109-112.

Amer Meteorol Soc  
AF Cambridge Res Center

Certain Features of the Radiation Regime of the Central Arctic, by V. L. Gayevskiy, 10 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 142-150.

Amer Meteorol Soc  
AF Cambridge Res Center

Calculation of Spring Ice Thawing, by Yu. P. Doronin, 14 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVI, 1959, pp 151-161.

Amer Meteorol Soc  
AF Cambridge Res Center

The SEM-1 Electric Aerometeorograph, by A. A. Ledokhovitch, V. A. Zaitsev, 8 pp.

RUSSIAN, per, Trudy Lenin Arkticheskoy i Antarkticheskoy Nauchno-Issled Inst, Vol CCXXVIII, 1959, pp 162-167.

Amer Meteorol Soc  
AF Cambridge Res Center

Scientific  
Geophysics (Contd)

Concerning the Accuracy of Air Temperature Lapse  
Rate and Humidity Gradient Measurements, by  
N. V. Kucherov, 8 pp.

RUSSIAN, per, Trudy Leningrad, Glavnaya Geofiz  
Observ, No LX, (122), 1956, pp 86-91.

Amer Meteorol Soc  
AF Cambridge Res Center

Meteorological Processes in the Surface Layer  
of the Atmosphere in Antarctica, by N. P.  
Fusin, 31 pp.

RUSSIAN, per, Trudy Lenin Glavnaya Geofiz  
Observ Sovremennye Problemy Meteorol Prizemnogo  
Sloya Vozdukha: Sbornik Statei, 1958,  
pp 5-25.

Amer Meteorol Soc  
AF Cambridge Res Center

On the Heat Balance of the Kara-Kul' Lake  
Valley, by M. V. Zuyev, 8 pp.

RUSSIAN, per, Trudy Lenin Glavnaya Geofiz  
Observ Sovremennye Problemy Meteorol Prizemnogo  
Sloya Vozdukha: Sbornik Statei, 1958, pp 61-66.

Amer Meteorol Soc  
AF Cambridge Res Center

The Geological Structure of Franz Josef Land,  
by V. D. Dibner, 16 pp.

RUSSIAN, per, Trudy Nauchno-Issledovatel'skogo  
Inst Geologi Arktiki, Vol LXXXI, 1957, pp 11-20.

Amer Meteorol Soc  
AF Cambridge Res Center

Aerodynamic Conditions for Dropping Aerological  
Apparatus, by S. I. Nepomniashchii, 23 pp.

RUSSIAN, per, Trudy Nauchno-Issled Inst Gid  
Priborostroyeniya, No 4, 1957, pp 51-64.

Amer Meteorol Soc  
AF Cambridge Res Center

West Kamchatka Salmon, Their Commercial  
Exploitation and Reproduction, by R. S. Semko,  
14 pp.

RUSSIAN, per, Trudy Soveshchaniy, Ak Nauk SSSR,  
Ikhtologicheskaya Komissiya, No 4, 1954,  
pp 38-47.

OTS 21123  
PL 480

Physics of Solar Corpuscular Streams, by S. M.  
Poloskov, 5 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVI,  
No 2, 1956, pp 118, 119.

ATIC MCL-73/III

Some Problems of the Physics of Auroras, by  
V. I. Krasovskiy, 9 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 5, 1960,  
pp 10-16.

IGC  
OTS PB-131632-128

Scientific  
Geophysics (Contd)

**The Present Organization of Geographical Sciences**  
in the USSR, by Yu. G. Saushkin, 13 pp.  
RUSSIAN, per, Vest Moskov U, Ser Bio Poch  
Geolog i Geograf, No 4, 1959, pp 3-12.

JPRS 5031

On the Mutual Potential of a Sphere and a  
Body of Rotation, by G. N. Duboshin, 8 pp.  
RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh  
Astron, Fiz, Khim, No 4, 1959, pp 55-60.

JPRS 5186

On the "Resolving Capacity" of Systems Measur-  
ing the Horizontal Dimensions of Ionospheric  
Heterogeneities, by V. D. Gusev, S. F. Mirkotan,  
Yu. V. Berazin, M. P. Kiyanovskiy, 18 pp.  
RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh  
Astron, Fiz, Khim, No 4, 1959, pp 105-115.

JPRS 5187

Instrumental Determinations of the Character-  
istics of Turbulent Exchange in the Ocean,  
by N. A. Panteleyev, 10 pp.  
RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh  
Astron, Fiz, Khim, No 4, 1959, pp 141-147.

JPRS 5188

Establishment of Research and Development  
Facilities in the Area Kolomaryazan', -  
Ul'yanovsk-Gor'kiy-Kolomna, Supplement V-  
Mordovskiy Zapovednik, 3 pp.  
RUSSIAN, per, Zapovedniki SSSR, Vol I, 1951,  
pp 193, 194.

AF 1419583

A Report From the Bottom of the Sea, by B.  
Koshechkin, 3 pp.  
RUSSIAN, per, Znaniya Ta Pratsya, No 5, 1960,  
pp 23, 24.

IGC  
OTS PB-131632-126

Deep-Sea Fish of Far Eastern Seas of the  
USSR, by R. S. Rass, 22 pp.  
RUSSIAN, per, Zool Zhur, Vol XXXIII, No 6,  
1954, pp 1312-1324.

OTS 60-21099  
PL 480

A Device for Measuring and Recording the  
Height and Mean Period of Waves, by A. K.  
Kuklin, 3 pp.  
RUSSIAN, Patent No 120,342.

ACSI H-6774  
ID 2146508

Scientific  
Geophysics (Contd)

Developments in Geological Work in Communist China in the Past Decade, by Li Ssu-kuang, 31 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 18, 1959, Peiping, pp 586-593.

JPRS 5090

A Draft of the Complex Physical Geographical Division of Communist China, by Huan Ping-wei, 27 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 18, 26 Sep 1959, pp 594-602.

JPRS 5028

Chain Birefringent Filters, by Ivan Solc, 21 pp. CZECH, per, Ceskoslovensky Casopis Pro Fysiku, Vol X, No 1, 1960, pp 16-34.

Amer Meteorol Soc  
AF Cambridge Res Center

The Humboldt Current and the Pacific Areas of Its Effective Range, by Hans-Guenter Gierloff-Eden.

GERMAN, rpt, Sonderdruck aus "Petermanns Geographischen Mitteilungen", 1959, pp 1-17.

Navy 2607/HO 88

Suggestions for Meteorological Measurements to be Made on a Future Greenland Expedition, by Johannes Georgi, 22 pp.

GERMAN, per, Polarforschung, Vol XXII, 1954, pp 146-161.

Amer Meteorol Soc  
AF Cambridge Res Center

Annual Report of the Survey of Israel, 1958-59, Labor Office, Department of Survey.

HEBREW, publ, Min Veheshbon Shnati 1958-59, Jul 1959, Tel-Aviv, pp 1-16.

ACSI H-6103  
ID 243799

Observations of Atmospherics Associated With Thunderstorms and Its Application to Weather Forecasting, by Koshizo Shimakawa, 19 pp. JAPANESE, manuscript.

Amer Meteorol Soc  
AF Cambridge Res Center

Tables of Spheroidal Wave Functions, by Tadamoto Nimura, Yoshiyuki Watanabe.

JAPANESE, per, Tohoku Daigaku Denki Tsushin Kenkyu-sho Danwa Kaishu Kiroky, Vol XLIII, No 16, 17, 1949, pp 1-89.

\*Navy/NRL

Friction of Runners on Snow and Ice, by R. Erickson, 23 pp.

SWEDISH, per, Foreningen Skogsarbetens och Kungl. Domanstyrelsens Arbetsstudieavdelning, Meddelande, No 34-35, 1-63, 1949.

Amer Meteorol Soc  
AF Cambridge Res Center



Scientific  
Mathematics

**On Linear Methods for Summing Fourier Series of Periodic Functions**, by A. V. Efimov.  
RUSSIAN, per, Dok Ak Nauk, Vol CXXXI, No 2, 1960, pp 234-237.

Interatl Phys Index  
Phys Express  
Vol II, No 10

**Symbolic Programming for the Electronic Computer of the Academy of Sciences Latvian SSSR**, by E. I. Arin', M. A. Shneps, (NY-4687).  
RUSSIAN, per, Iz Ak Nauk Latviyskoy SSSR, No 6, 1950, pp 101-107.

\*JPRS

**Transformations of Logical Program Schemes**, by Yu. I. Yanov, (3901/D-33).  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Radiofiz, No 1, 1958, pp 110-119.

\*JPRS

**Certain Features of the Logical Structure of the GIFTI Machine and Programming in Its Code. I.** by A. M. Gil'man, (DC-4288).  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Radiofiz, No 1, 1958, pp 141-149.

\*JPRS

**Certain Features of the Logical Structure of the GIFTI Machine and Programming in Its Code. II.** by A. M. Gil'man, (DC-4288).  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Radiofiz, No 2, 1958, pp 140-155.

\*JPRS

**The Memory Device of the GIFTI Machine**, by A. M. Goncharov, A. S. Tarantovich, (DC-4288).  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Radiofiz, No 2, 1958, pp 156-168.

\*JPRS

**Functional Construction in K-Valued Logic**, by S. V. Yablonskiy, 176 pp.  
RUSSIAN, per, Trudy Matemat Inst imeni V. A. Steklova, Vol LI, 1958, pp 5-141.

JPRS 5077

**On Nonrepetitive Contact Networks and Non-repetitive Superpositions of Functions of Algebraic Logic**, by A. V. Kuznetsov, 83 pp.  
RUSSIAN, per, Trudy Matemat Inst imeni V. A. Steklova, Vol LI, 1958, pp 186-225.

JPRS 5121

Scientific  
Mathematics (Contd)

On the Theory of Non-Repetitive Networks, by  
B. A. Trakhtenbrot, 82 pp.

RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 226-269.

JPRS 5123

Logical Methods of Control of Operation of  
Electric Networks, by I. A. Chagis, S. V.  
Yablonskiy, 178 pp.

RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 270-360.

JPRS 5173

Description of the Solution of a System Differ-  
ential Equation by Liesche Series, by W. Grobner.  
GERMAN, per, Archiv der Mathematik, Vol IX,  
1958, pp 82-93.

\*AEC

An Asymptotic Approximation Method for a System  
With Rotating Phases and Its Application to  
the Motion of a Charged Particle in a Magnetic  
Field, by N. N. Bogolyubov, D. N. Zubarev,  
25 pp.

UKRAINIAN, per, Ukrain Matemat Zhur, Vol VII,  
1955, pp 5-17.

AEC NP Tr-423

Scientific  
Medicine

Instructions for the Preparation and Control of  
the Live STI Antianthrax Vaccine for Human  
Beings, by K. V. Bunin, 23 pp.  
RUSSIAN, 9070637.

NIH 7-20-60

Russian Studies on Age-Associated Physiology,  
Biochemistry, and Morphology, by V. N. Nikitin.  
RUSSIAN, bk, publ by Kharkov Order of Labor of  
the Red Banner State U, imeni A. M. Gorkiy  
Press, Kharkov, 1958, pp 1-41. Par tr, 201 pp.  
9049950

NIH

The Problem of Hygienic Normalization in the  
Field of Sanitary Air Protection, by V. A.  
Riazanov.  
RUSSIAN, bk, Doklady Vsesoiuznyi S'ezd Gigienistov,  
Epidemiologov, Mikrobiologov i Infektsionistov,  
Vol I, Moscow, 1959, pp 76-83.

\*USDA

A Course of Lectures for Mothers, by T. M.  
Khanova, (NY-4653).  
RUSSIAN, bk, Kurs Lektsiy Dlya Materey, 3d  
d, 1958, pp 5-111.

\*JPRS

Local Antiair Defense of the Population Under  
Conditions of Chemical, Atomic, and Bacterio-  
logical Attack, by G. F. Baratov, 279 pp.  
RUSSIAN, bk, Mestnaya Protivovozdushnaya Oborona  
Naseleniya v Usloviyakh Khimicheskogo Atomnogo  
i Bakteriologicheskogo Napadeniya, Kiev, 1959,  
pp 1-301.

JPRS 3726

Principles of Rational Nutrition, by O. P.  
Molchanova.  
RUSSIAN, bk, Osnovy Ratsional'nogo Pitaniya,  
Medgiz, 1958.

DSIR LLU M.1390

Planning the Development of Public Health, by  
A. M. Sedomskiy, 60 pp.  
RUSSIAN, pamphlet, Planirovaniye Razvitiya  
Narodnogo Zdravookhraneniya, 1959, 72 pp.

JPRS 2975

Scientific  
Medicine (Contd)

**Selected Articles From Russian Book**

**"Tezisy Doklady Mezhnstitutskoy Nauchnoy Konferentsiy po Zabolevaniyam a Prirodnoy Ozhagovost'yu, Posviashchennoy 50-lettiu Tomskogo Nauchno-Issledovatel'skogo Instituta Vaktsin i Syborotok 19-22 Noyabrya," 1956.**

Classification of the Tularemia Epidemics in Connection With the Study of Natural Focal Areas of Infections, by G. A. Kondrashkin, pp 59-61.

\*USDA

Natural Focal Delta Area of Tularemia in the South of RSFSR, by V. P. Bozhenko, pp 61, 62.

\*USDA

Landscape Typification of the Marsh-Lake River Natural Focal Areas of Tularemia in Western Siberia, by A. A. Maksimov, pp 63, 64.

\*USDA

Character of the Rat-Type Tularemia Focus in the Taiga Zone of Western Siberia, by S. P. Karpov, V. M. Popov, E. I. Kleitman, M. I. Igolkin, pp 64-68.

\*USDA

Tularemia in Eastern Siberia, by M. I. Antsiferov, N. D. Altareva, E. P. Potapova, pp 68, 69.

\*USDA

Characteristics of the Tularemia Epidemiology in Belorussian SSR, by F. G. Rubanova, T. T. Senchuk, pp 70, 71.

\*USDA

Epizootological Characteristics of the Focal Area of Tularemia in the Northern Part of the Volga-Akhtuba Flood Plain and the Prophylactic Measures Being Taken, by N. S. Yamolova, B. G. Val'kov, Z. I. Murav'yeva, P. A. Kartushin, V. A. Mikhaleva, pp 71-73.

\*USDA

Experiment in Tularemia Prophylaxis in the Tomsk Region, by E. I. Kositsyna, pp 73, 74.

\*USDA

Scientific  
Medicine (Contd)

Selected Articles From Russian Book

"Tezisy Doklady Mezhhinstitutskoj Nauchnoy Konferentsiy po Zabolevaniyam s Prirodnoy Ochagovost'yu, Posviashchennoy 50-letiyu Tomskogo Nauchno-Issledovatel'skogo Instituta Vaktsin i Syborotok 19-22 Noyabrya," 1956.

Perfection of the Biological Method of Research in Tularemia Cases, by M. S. Drozhavkina, T. I. Pushkova, pp 76, 77.

\*USDA

Experiment With the Widespread Use of Polysaccharide in the Epidemic Allergy Test for Tularemia, by A. A. Kontorina, pp 78, 79.

\*USDA

The Role of the Exodermic Ticks in Implanting Some Natural Focal Areas of Tularemia, by S. F. Shevchenko, pp 79, 80.

\*USDA

Dermacentor Nuttalli as the Carrier of Tularemia, by E. Ya. Ol'khovik, A. N. Leont'yev, L. P. Shvedko, pp 81.

\*USDA

Question of Preserving B. Tularensis in the Natural Focal Areas of Tularemia, by V. P. Bozhenko, S. F. Shevchenko, pp 81, 82.

\*USDA

Study of Vascular Reactions and Respiration in Schizophrenics Under Methionine and Sleep Therapy, by N. N. Stanishevskaya, 20 pp.  
RUSSIAN, bk, Voprosy Eksperimental'noy Patologii, Inst of Psychiatry, USSR Acad of Med Sci, Moscow, 1959, 400 pp. 9070612

NIH 7-16-60

Toxicology Problems of Radioactive Materials, by D. I. Zakutinskiy, 118 pp.  
RUSSIAN, bk, Voprosy Toksikologii Radioaktivnykh Veshchestv, 1959, 152 pp.

AEC Tr 4031

Resolutions Adopted at the Second All-Union Conference of Pharmacists (3-6 March 1959, Leningrad), 8 pp.  
RUSSIAN, per, Aptekhnoye Delo, Vol VIII, No 6, Nov/Dec 1959, pp 83-87.

JPRS 2828

Scientific  
Medicine (Contd)

Improving the Public Health System, 4 pp.  
RUSSIAN, per, Aptechnoye Delo, Vol IX, No 2,  
Mar/Apr 1960, pp 3-5.

JPRS 3762

Recommendations for Drawing Up a 1961-1962  
Research Plan to Deal With Pharmaceutical  
Problems, by P. L. Senov, A. K. Mel'nichenko,  
7 pp.  
RUSSIAN, per, Aptechnoye Delo, Vol IX, No 2,  
Mar/Apr 1960, pp 6-11.

JPRS 3763

Plenary Session of the Scientific Medical  
Council of the Ministry of Health RSFSR, by  
V. G. Yeliseyev, 3 pp.  
RUSSIAN, per, Arkhiv Anatomii, Gistologii i  
Embriologii, Vol XXXVIII, No 1, 1960, pp 123,  
124.

JPRS 3583

Resolutions of the Plenum of the Board of  
the All-Union Scientific Society of Anatomists,  
Histologists, and Embryologists, 5 pp.  
RUSSIAN, per, Arkhiv Anatomii, Gistologii  
i Embriologii, Vol XXXVIII, No 1, 1960, pp 124-  
127.

JPRS 3583

Certain Onto-Phylogenetic Correlations in the  
Development of the Structural Basis of Reflex  
Functions of the Organisms, by G. I. Polyakov,  
34 pp.  
RUSSIAN, per, Arkhiv Anatomii, Gistologii i  
Embriologii, Vol XXXVIII, No 2, 1960, Leningrad,  
pp 3-23.

JPRS 2988

Plenary Session of the Board of the All-Union  
Scientific Society of Anatomists, Histologists,  
and Embryologists, by Ye. Sh. Gerlov'in, I. D.  
Lev, 37 pp.  
RUSSIAN, per, Arkhiv Anatomii, Gistologii i  
Embriologii, Vol XXXVIII, No 2, 1960,  
pp 104-120.

JPRS 5097

Changes With Age in Hemopoietic Organs of  
Mice, by F. B. Yermakova, 5 pp.  
RUSSIAN, per, Arkhiv Anatomii, Gistologii i Em-  
briologii, Vol XXXVIII, No 5, 1960, pp 56-59.

JPRS 3734

Scientific  
Medicine (Contd)

The Morphology of Mitral Valve Commissures in  
Rheumatic Affection, by G. A. Cherkareva,  
(NY-4655).

RUSSIAN, per, Arkhiv Patologii, Vol XXII, No 5,  
1960, pp 58-63.

\*JPRS

Vectorcardiography and Its Clinical Importance,  
by D. M. Abdullayev, E. Sh. Mahmudbeyova, 4 pp.  
RUSSIAN, per, Azerbaydzhan Med Zhur, No 1, 1960,  
pp 3-5.

JPRS 3808

Diagnostic Errors in Endocrine Diseases, by  
M. M. Orudzov, T. A. Aliyev, Sh. K. Kuluyeva,  
N. D. Rzayeva, 6 pp.

RUSSIAN, per, Azerbaydzhan Med Zhur, No 1,  
1960, pp 30-34.

JPRS 3807

Preparation of Decolorized and Dry Hydrolysates  
for Parenteral Feeding, by I. A. Guseynov,  
6 pp.

RUSSIAN, per, Azerbaydzhan Med Zhur, No 1,  
1960, pp 56-59.

JPRS 3809

Malaria Research and Eradication in the USSR,  
by Leonard J. Bruce-Chwatt.

RUSSIAN, per, Bulletin of the World Health  
Organization, Vol XXI, 1959, pp 737-772.

LLU Tr. Bul  
May 60

Experimental Models of Human Diseases, by D. S.  
Sarkisov.

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 1,  
1960, pp 3-7.

JPRS 3586

Kidney Transplantation in Clinical Practice  
(Status of the Problem), by Yu. Ya. Gritsman,  
e. B. Gorbovitskiy, 11 pp.

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 1,  
1960, pp 58-64.

JPRS 3600

Peripheral Circulation in Venous Thrombosis,  
by M. I. Oganessian, 9 pp.

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2,  
Mar/Apr 1960, pp 8-12.

JPRS 5315

Scientific  
Medicine (Contd)

**The Effectiveness of Extracorporeal Circulation in Using Various Systems of Artificial Blood Circulation Under Experimental Conditions, by M. S. Margulis, 11 pp.**

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2, 1960, pp 12-18.

JPRS 5315

**Experience With the Closure of Patent Ductus Arteriosus With the Aid of a Mechanical Multi-Staple Suture, by Ye. N. Meshalkin, V. I. Fufin, 19 pp.**

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2, 1960, pp 26-33.

JPRS 5315

**The Significance of Venous Pressure Measurements During Operations on Organs of the Thoracic Cavity, by A. I. Bredis, 4 pp.**

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2, 1960, pp 34-36.

JPRS 5315

**On Deep Hypothermia and Emergence From It. Report No 3, Oxygen Balance and the Efficiency of Training for Oxygen Deficiency in Deep Hypothermia, by Ye. V. Gubler, N. V. Alishev, N. I. Lassi, N. B. Sokolova, 14 pp.**

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2, 1960, pp 39-45.

JPRS 5315

**The Effect of Biopreparations on the Synthesis of Proteins in the Normal and in the Damaged Myocardium of the Rat, by L. V. Polezhayev, V. L. Mant'yeva, 2 pp.**

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2, 1960, pp 52, 53.

JPRS 5315

**The Creation of Chronic Cardiac Aneurysms in Rabbits, by D. S. Sarkisov, T. M. Darbinyan, B. M. Tsukerman, L. D. Krymskiy, 6 pp.**

RUSSIAN, per, Eksper Khirurgiya, Vol V, No 2, 1960, pp 53, 54.

JPRS 5315

**On the Application of Elektrogastrography in Pharmacology, by A. M. Aleshin, 10 pp.**

RUSSIAN, per, Farmakol i Toksikol, Vol XXIII, No 2, 1960, pp 178-182.

JPRS 3798



Scientific  
Medicine (Contd)

All-Russian Congress of Pediatricians, by I. Ye. Shakhbazyan, 3 pp.

RUSSIAN, per, Fel'dher i Akusherka, No 3, 1960, pp 54, 55.

JPRS 3702

Resolutions of the 9th Congress of the All-Union Physiological Society imeni Academician I. P. Pavlov, 9 pp.

RUSSIAN, per, Fiz Zhur SSSR, imeni I. M. Sechenova, Vol XLVI, No 2, 1960, pp 261-264.

JPRS 5062

The Central Nervous System and Behavior, (Book Review), by S. A. Sakisov, V. S. Rusinov, M. Ya. Rabinovich, 6 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova, Vol XLVI, No 5, 1960, pp 647-650.

JPRS 3715

Kinetics of Bacterial Aerosol, by S. S. Rechmenskiy.

RUSSIAN, per, Gig i San, Vol IX, No 1/2, 1944, pp 21-27.

\*USDA

Survival of Rickettsia Burneti in the External Environment, Their Resistance to the Action of Physical and Chemical Agents, and Methods of Disinfection, by N. I. Fedorova. RUSSIAN, per, Gig i San, Vol XXIII, No 11, 1958, pp 53-57.

\*USDA

Device for the Sanitary-Bacteriological Analysis of Air, by B. V. Boykov, 5 pp. RUSSIAN, per, Gig i San, Vol XXIV, No 9, 1959, pp 74-76.

JPRS 3810

Results of the Study of the Natural Radioactivity of the Air, by I. I. Gusarov, 6 pp. RUSSIAN, per, Gig i San, Vol XXV, No 2, 1960, pp 86-88.

JPRS 5027

Experience in the Unification of Methods for Hygienic Investigation of Insectofungicides, by L. I. Medved, Ye. I. Spyny, (NY-4657). RUSSIAN, per, Gig i San, Vol XXV, No 5, 1960, pp 29-34.

\*JPRS

Scientific  
Medicine (Contd.)

Certain Data on the Action of Uranium and Its Compounds on the Human Organism, by O. S. Andreyev, (NY-4657).

RUSSIAN, per, Gig i San, Vol XXV, No 5, 1960, pp 77-82.

\*JPRS

Occupational Cancer, by P. P. Dvitzkhov, 8 pp.  
RUSSIAN, per, Gig Truda i Professional Zabol, Vol IV, No 3, 1960, pp 3-7.

JPRS 5357

The Carcinogenic Activity of Chemical Substances, by L. M. Shabad, 5 pp.  
RUSSIAN, per, Gig Truda i Professional Zabol, Vol IV, No 3, 1960, pp 8-11.

JPRS 5358

Occupational Skin Tumors Induced by Chemical Substances, by P. A. Bogovskiy, 10 pp.  
RUSSIAN, per, Gig Truda i Professional Zabol, Vol IV, No 3, 1960, pp 11-17.

JPRS 5359

Contamination of the Skin by Radioactive Substances and Comparative Effectiveness of Certain Methods of Purification, by L. A. Il'in, 7 pp.  
RUSSIAN, per, Gig Truda i Professional Zabol, Vol IV, No 3, 1960, pp 28-32.

JPRS 5360

Working Conditions in Work With Radioactive Substances in the Construction of Trunk Pipelines and Measures of Improving Them, by V. A. Kisilenko, M. Ya. Boyarintseva, 4 pp.  
RUSSIAN, per, Gig Truda i Professional Zabol, Vol IV, No 3, 1960, pp 49-59.

JPRS 5361

Scientific-Practical Conference on Problems of Labor Hygiene, by I. G. Guslits, A. A. Velichkovskiy, 3 pp.  
RUSSIAN, per, Gig Truda i Professional Zabol, No 3, 1960, pp 57, 58.

JPRS 5375

New Data on the Functional Biochemistry of the Brain, by G. Kh. Bunyatyan, 12 pp.  
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR, Vol XII, No 2, 1959, pp 3-14.

JPRS 3620

Scientific  
Medicine (Contd)

Current Status of the Problem Concerning the Use of Substances for Individual Protection Against Diphtheria and Ticks, by Ye. Kh. Zolotarev, 16 pp.

RUSSIAN, per, Iz Sibir Otdel Ak Nauk SSSR, No 9, 1959, pp 92-97.

JPRS 5113

Examination of Aerosol Therapy in Pulmonary Tuberculosis, by P. L. Vinnikov, (NY-4793). RUSSIAN, per, Kazan Medit Zhur, No 1, 1960, pp 16-21.

\*JPRS

On the Prospective Publishing Plan for Surgical Literature, by G. Ye. Ostroverkhov, V. M. Sergeyev, 10 pp. RUSSIAN, per, Khirurgiya, Vol XXXV, No 9, 1959, pp 133-138.

JPRS 3585

The Dynamics of the Pathological Process in the Nervous System of Individuals Subjected to the Protracted Influence of Comparatively Small Irradiation Doses, by A. K. Gus'kova, 16 pp.

RUSSIAN, per, Klin Med, Vol XXXVIII, No 5, 1960, pp 20-26.

JPRS 5239

Errors in the Diagnosis of Chronic Irradiation Sickness, by N. A. Kurshakov, 5 pp. RUSSIAN, per, Klin Med, Vol XXXVIII, No 5, 1960, pp 34-36.

JPRS 5239

On the Clinical Significance of the Pentose Cycle, by Irzhi Shonka, (NY-4727). RUSSIAN, per, Klin Med, Vol XXXVIII, No 7, 1960, pp 3-12.

\*JPRS

Pathogenesis and Classification of Dysproteinemia, by I. A. Oyvan, (NY-4727). RUSSIAN, per, Klin Med, Vol XXXVIII, No 7, 1960, pp 13-21.

\*JPRS

Modifications of the Proteins, Lipoproteides, and Glucoproteides of the Blood in Patients Suffering From Diabetes Mellitus, by M. B. Sheykman, (NY-4727).

RUSSIAN, per, Klin Med, Vol XXXVIII, No 7, 1960, pp 36-43.

\*JPRS

Scientific  
Medicine (Contd)

Problems of the Sanitary-Epidemiological Service  
in the Control of Parasitic Diseases in Various  
Zones of the USSR, by V. P. Derbeneva-Ukhova,  
M. A. Buslayev, E. S. Kalmykov.

RUSSIAN, per, Med Parazitol i Parazitar Bolezni,  
Vol XXVIII, No 3, 1959, pp 287-294. 9057447

USDA

Application of Ultrasound for Aerosol Therapy,  
by A. P. Livenson.

RUSSIAN, per, Medit Prom SSSR, Vol XIII, No 1,  
1958, pp 17-24.

\*USDA

Medical Industry of the USSR, 110 pp.

RUSSIAN, per, Medit Prom SSSR, Vol XIV, No 1,  
1960, pp 3-65.

JPRS 5227

On the Specialization of the All-Union Sci-  
entific-Research Institute of Medical Instru-  
ments and Equipment, by I. P. Smirnov, 12 pp.

RUSSIAN, per, Medit Prom SSSR, Vol XIV, No 4,  
1960, pp 3-6.

JPRS 5114

Some Medicinal Plants Used in Chinese Medicine,  
by I. I. Gerasimenko, (DC-4350).

RUSSIAN, per, Medit Prom SSSR, Vol XIV, No 4,  
1960, pp 54-57.

\*JPRS

Towards the All-Union Conference of Workers  
of the Medical Industry, by A. G. Natradze,  
(SF-1061).

RUSSIAN, per, Medit Prom SSSR, Vol XIV, No 6,  
1960, pp 3-6.

\*JPRS

The Employment of Electroencephalography in  
General Anesthesia, by B. V. Petrovskiy,  
S. N. Yefuni, N. I. Rabonovich, N. A.  
Solov'yev, (NY-4685).

RUSSIAN, per, Medit Prom, No 6, 1960,  
pp 14-21.

\*JPRS

Fourteenth Session of the General Meeting  
of the Academy of Medical Sciences USSR,  
8 pp.

RUSSIAN, np, Med Rabot, Vol XXIII, No 8,  
26 Jan 1960, p 3.

JPRS 2997

Scientific  
Medicine (Contd)

Public Health in the Ukraine at a New Stage,  
5 pp.

RUSSIAN, np, Med Rabot, Vol XXIII, No 50, 21 Jun  
1960, p 2.

JPRS 3679

Digestion With Pepsin of Serum Albumin Irradiated  
With Gamma Rays Outside and Within the Body, by  
Ya. A. Epshtein, E. A. Zabozyayeva, 9 pp.

RUSSIAN, per, Med Radiol, No 6, 1956, pp 65-69.

AEC NP Tr-439

The Human Brain and Cybernetics, by Yu.  
Frolov, 7 pp.

RUSSIAN, per, Moskva, No 3, 1960, pp 178-182.

JPRS 3580

Certain Preliminary Data of the Clinical  
Testing of Protein Blood Substitute BK-8, by  
M. N. Yatsentyuk, 8 pp.

RUSSIAN, per, Novyy Khir Arkhiv, No 2, Mar/Apr  
1960, pp 64-68.

JPRS 5369

On the Development of Radiation Shock During  
Acute Radiation Trauma (An Experimental Study),  
by I. N. Kruk, 9 pp.

RUSSIAN, per, Novyy Khir Arkhiv, No 2, Mar/Apr  
1960, pp 96-101.

JPRS 5371

Thirteenth Scientific Session of the Ukrainian  
Scientific Research Institute of Eye Diseases  
Imeni Prof. L. L. Girshman, by K. G. Vayner,  
F. G. Pis'mennaya, 12 pp.

RUSSIAN, per, Oftal'molog Zhur, Vol XV, No 3,  
1960, Odessa, pp 187-192.

JPRS 5129

Reports of the Proceedings of the Societies  
of Traumatologists and Orthopedists, by  
Ye. I. Brodskaya, (NY-4794).

RUSSIAN, per, Ortopediya, Travmatologiya i  
Protezirovaniye, No 6, 1960, pp 87-94.

\*JPRS

Biochemical Shifts in Shock Produced by the  
Combined Effect of Burn Trauma and Total-  
Body Irradiation, by D. A. Golubentsev, N. A.  
Shevyreva, 11 pp.

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,  
Vol IV, No 1, 1960, pp 14-19.

JPRS 2927

Scientific  
Medicine (Contd)

Experience in the Application of Myelocytotoxic Serum in Radiation Sickness, by M. F. Sbitneva, 10 pp.

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya, Vol IV, No 1, 1960, pp 39-44.

JPRS 2932

New Apparatus for Determining Blood Oxygen Saturation -- Flow Oximeter of the PO-OI Type, by L. F. Sochivko, G. L. Dernovskaya-Zelentsova, G. Sh. Vasadze, N. I. Kochetygov, 6 pp.

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya, Vol IV, No 1, 1960, pp 71-73.

JPRS 2934

The Functions of the Reticular Formation of the Brain Stem, by A. M. Ivanitskiy, 19 pp.

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya, Vol IV, No 1, 1960, pp 76-83.

JPRS 2935

Report on the Work of the Third Plenum of the Siberian Branch of the All-Union Society of Pathophysiologists, by M. G. Kolpakov, 3 pp.

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya, Vol IV, No 2, 1960, pp 90, 91.

JPRS 3712

Pressing Tasks in the Care of Children of Preschool and School Age, by I. G. Tseytlin, 4 pp.

RUSSIAN, per, Pediatrics, Vol XXXVII, No 6, 1959, pp 3-10.

JPRS 3690

The Physical Development of Children During the First Year of Life in L'vov, by Ye. Ya. Yufa, V. G. Sokolova, 7 pp.

RUSSIAN, per, Pediatrics, Vol XXXVII, No 6, 1959, pp 25-29.

JPRS 3691

Some Current Problems in the Development of Soviet Hematology, by A. A. Bagdasarov, (DC-4371).

RUSSIAN, per, Problemy Gematologii i Pere-livaniya Krov, Vol V, No 6, 1960, pp 3-8.

\*JPRS

The First All-Russian Congress of Phthisiologists, by S. R. Lachinyan, 8 pp.

RUSSIAN, per, Problemy Tuberkuleza, No 2, 1960, pp 69-73.

JPRS 3616

Scientific  
Medicine (Contd)

All That Is New and Useful Shall be Put Into  
Practice by Flight Surgeons, 4 pp.  
RUSSIAN, np, Sovet Aviatsiya, 14 Oct 1959, p 2.

AF 1419538

Control of the Basic Infectious Diseases  
During 40 Years, by A. V. Chuchkin.  
RUSSIAN, per, Sovet Med, Vol XXI, No 11,  
Moscow, 1957, pp 10-15. 9057453

USDA

The Problem of the Elimination of Tubercular  
Meningitis in Children, by M. S. Dvoyrin,  
S. S. Kravchenko, Zh. A. Beznosova, L. F.  
Zamborg, M. A. Chalyk, Zh. L. Perevoznikova,  
M. A. Burlachenko, (SF-1065).  
RUSSIAN, per, Sovet Med, Vol XXII, No 12,  
1958, pp 125-130.

\*JPRS

Experience of Reorganizing the Educational  
System of the Second Moscow Medical Institute  
imeni N. I. Pirogov and Our Immediate Tasks,  
by M. G. Sirotkina, 9 pp.  
RUSSIAN, per, Sovet Med, No 1, 1960, pp 138-  
143.

JPRS 5065

In the Central Committee of the CPSU and the  
Council of Ministers USSR: Measures for the  
Further Improvement of Medical Service and  
Health Protection of the Population of the  
USSR, 11 pp.  
RUSSIAN, per, Sovet Med, Vol XXIV, No 3,  
1960, pp 3-10.

JPRS 5128

The Hyperventilation Syndrome, by L. L.  
Lieberman, 5 pp.  
RUSSIAN, per, Sovet Med, Vol XXIV, No 3,  
1960, pp 52-55.

JPRS 5130

Proximate Results in the Therapy of Skin  
Cancer With Omsine Ointment, by O. S.  
Shramchenko, 7 pp.  
RUSSIAN, per, Sovet Med, Vol XXIV, No 3, 1960,  
pp 123-126.

JPRS 5131

Scientific  
Medicine (Contd)

In the Presidium of the Scientific Medical  
Council of the Ministry of Health RSFSR, by  
Ye. K. Ponomar, 13 pp.

RUSSIAN, per, Sovet Med, Vol XXIV, No 3, 1960,  
pp 150-155.

JPRS 5132

Comparative Analysis of the Effectiveness of  
Hypertension With Reserpine and With Other,  
Generally Accepted Methods, by V. P. Klimkevich,  
(NY-4814).

RUSSIAN, per, Sovet Med, Vol XXIV, No 6, 1960,  
pp 76-81.

\*JPRS

The Treatment of Hypertension With Veratrum  
Preparations, by T. A. Myasnikov, (NY-4814).

RUSSIAN, per, Sovet Med, Vol XXIV, No 6, 1960,  
pp 81-85.

\*JPRS

Preliminary Results of a Study of the Therapeutic  
Action of Gangleron in Coronary Insufficiency,  
by S. V. Volosyuk, (NY-4814).

RUSSIAN, per, Sovet Med, Vol XXIV, No 6, 1960,  
pp 123-126.

\*JPRS

Treatment of Hypertension Patients With Dicolin,  
by Yu. I. Akimov, (NY-4814).

RUSSIAN, per, Sovet Med, Vol XXIV, No 6, 1960,  
pp 128-134.

\*JPRS

V All-Union Congress of Dermato-Venerologists,  
by B. M. Pashkov, (NY-4795).

RUSSIAN, per, Sovet Med, No 6, 1960, pp 149-  
153.

\*JPRS

Nasal Electrophoresis, by G. N. Kassil',  
(NY-4783).

RUSSIAN, per, Sovet Med, Vol XXIV, No 7, 1960,  
pp 95-103.

\*JPRS

Achievement in Medicine in Kazakhstan, by  
V. I. Zyuzin.

RUSSIAN, per, Sovet Zdravookhraneniye, Vol XVII,  
No 2, 1958, p 30.

\*USDA



Scientific  
Medicine (Contd)

Public Health in 1960, by S. V. Kurashov, 7 pp.  
RUSSIAN, per, Sovet Zdravookhraneniye, Vol XIX,  
No 1, 1960, pp 3-8.

JPRS 3636

The Problem of the Control of Rheumatism and  
Cardiovascular Diseases in the Ukrainian SSR,  
by E. M. Sherstnev, 5 pp.  
RUSSIAN, per, Sovet Zdravookhraneniye, Vol XIX,  
No 1, 1960, pp 36-40.

JPRS 3635

Basic Principles for the Organization of  
Medical Radiological Aid, by V. P. Viktorina,  
10 pp.  
RUSSIAN, per, Sovet Zdravookhraneniye, Vol XIX,  
No 4, 1960, pp 51-54.

JPRS 5115

On the Premorbid Functional Condition of the  
Central Nervous System in Patients With Coronary  
Atherosclerosis and Symptoms of Angina Pectoris,  
by B. V. Il'inskiy, 8 pp.  
RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4,  
1960, pp 3-8.

JPRS 5332

On the Therapeutic Use of Vitamin B<sub>12</sub> in  
Atherosclerosis, by L. P. Motovilova, 7 pp.  
RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4,  
1960, pp 8-12.

JPRS 5333

On the Diagnostics of Microfocal Lesions of  
the Myocardium, by V. Ye. Fradkina, 9 pp.  
RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4,  
1960, pp 13-18.

JPRS 5334

On the Forms of Coronary Insufficiently Inter-  
mediate Between Uncomplicated Angina Pectoris  
and the Infarct of the Myocardium, by S. V.  
Shestakov, 12 pp.  
RUSSIAN, per, Terapev Arkhiv Vol XXXII, No 4,  
1960, pp 18-26.

JPRS 5335

The Value of Vectorcardiography in the Diagnosis  
of Coronary Insufficiency With Disturbed Intra-  
ventricular Conductivity, by V. S. Gasilin,  
Yu. P. Mironova, 5 pp.  
RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4,  
1960, pp 26-29.

JPRS 5336

Scientific  
Medicine (Contd)

Role of the Integrative Systems of the Organism  
in the Development of the Pathological Process,  
by P. D. Gorizontov, (NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 3-10.

\*JPRS

Therapy of Angina Pectoris With Methylthiouracil,  
by I. A. Chernogorov, Yu. A. Kozhevnikov,  
(NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 17-21.

\*JPRS

On the Treatment of Patients Suffering From  
Coronary Insufficiency With Gangleron Electro-  
phoresis, by L. I. Fisher, (NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 21-24.

\*JPRS

Effect of Nitranol on the Tonus of the Large  
Arterial Vessels in Patients Suffering From  
Stenocardia on the Basis of Data Obtained  
in the Determination of the Speed of the  
Spread of the Pulse Wave, by Ye. I. Zharov,  
(NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 25-38.

\*JPRS

Vectorcardiographical Diagnostics of the  
Hypertrophy of the Left Ventricle, by M. B.  
Tartakovskiy, (NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 29-39.

\*JPRS

Effect of Thiphen on the Ballistocardiogram in  
Patients Suffering From Coronary Insufficiency,  
by R. I. Mangushev, (NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 58-61.

\*JPRS

Condition of the Antitoxic Function of the Liver  
in Patients Suffering From Chronic Alcoholism  
During the Period of Acute Alcohol Intoxication  
and in the Period of Abstinence From Alcohol,  
by M. S. Bakumenko, (NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 62-65.

\*JPRS

Scientific  
Medicine (Contd)

On the Pulseless Disease (Takayasi's Syndrome),  
by A. I. Popova, (NY-4811).

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 7,  
1960, pp 78-81.

\*JPRS

Air Disinfection With Ultraviolet Rays in  
Scarlet Fever Wards, by R. M. Ginzburg.  
RUSSIAN, per, Trudy Tsentral' Nauchno-Issled  
Dezinfektsionnogo Inst, Vol IX, 1956.

\*USDA

Study of the Efficacy of the Formalin Method  
of Disinfecting Foci of Droplet Infection,  
by V. I. Vashkov, R. M. Ginzburg, A. K.  
Astar'yeva.

RUSSIAN, per, Trudy Tsentral' Nauchno-Issled  
Dezinfektsionnogo Inst, Vol X, 1957, pp 34-42.

\*USDA

The Work of Dmitriy Nikolayevich Nasonov, by  
A. S. Troshin, 4 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959,  
pp 601-604.

JPRS 3628

Substratal Changes in Protoplasm Following  
Local and Spreading Excitation, by D. N.  
Nasonov, 11 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959,  
pp 605-613.

JPRS 3628

An Investigation of the Localized Action of  
Ultraviolet Rays on Living Cells by the  
Microbeam Method, by S. S. Chakhom, 12 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959,  
pp 614-626.

JPRS 3628

Protein Structure and Ion Adsorption in the  
Mechanism of Cellular Excitation, by D. Ungar,  
15 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959,  
pp 627-640.

JPRS 3628

Changes in the Size of Mesothelial and Mast  
Cell Nuclei Following the Action of Novocain,  
by L. G. Vol'fenzon, 9 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959,  
pp 641-648.

JPRS 3628

Scientific  
Medicine (Contd)

The Effect of Vitamin B<sub>12</sub> on Liver Cells in Various Forms of Experimental Dystrophy, by R. A. Petrov, 5 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 649-652.

JPRS 3628

The State of Inorganic Phosphorus in Protoplasm, by L. N. Pisareva, 9 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 653-660.

JPRS 3628

The Polarization Coefficient of Muscles Subjected to the Action of Formalin, by Ye. V. Burlakova, 5 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 661-664.

JPRS 3628

Transmission of Excitation in the Giant Axon of the Squid, by A. A. Lev, N. N. Nikol'skiy, D. L. Rozental', Ye. A. Shapiro, 6 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 665-671.

JPRS 3628

Seasonal Changes in the Resistance of Plant Cells to the Action of Various Agents, by V. Ya. Aleksandrov, M. I. Lyubova, N. L. Fel'dman, 17 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 672-691.

JPRS 3628

The Effect of Preliminary Heating on the Resistance of Frog Muscle to the Injurious Action of High Temperature and Various Chemical Agents, by N. A. Shlyakhter, 9 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 692-698.

JPRS 3628

Reparative Effect of Light on Animal Tissues After Irradiation With Short-Wave Ultraviolet Rays, by V. L. Levin, 9 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 699-706.

JPRS 3628

Scientific  
Medicine (Contd)

Relationship of the Structure and Development of the Organism Producing Chlortetracycline (Actinomyces Aureofaciens) to the Sources of Nitrogen Nutrition, by L. N. Kats, A. A. Prokof'yeva-Bel'govskaya, 7 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 707-713.

JPRS 3628

Temperature Adaptation in Infusorians. II. Changes in Heat and Cold Resistance of Paramecium Caudatum Cultivated at Low Temperatures, by Yu. I. Polyanskiy, 16 pp.  
RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959, pp 714-727.

JPRS 3628

Chemical Agents for the Prophylaxis of Acute Radiation Sickness, by F. Yu. Rachinskiy, A. S. Mozhukhin, N. M. Slavachevskaya, L. I. Tank, 74 pp.  
RUSSIAN, per, Uspekhi Khim, Vol XXVIII, No 12, 1959, pp 1488-1522.

JPRS 5099

The Possible Role of Free Radicals in Cancerogenesis, by A. B. Syrkin, (DC-4295).  
RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLIX, No 3, 1960, pp 305-319.

\*JPRS

Certain Problems of Contemporary Radiobiology, by A. V. Lebedinskiy, Yu. I. Moskalev, (DC-4295).  
RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLIX, No 3, 1960, pp 320-337.

\*JPRS

Modern Data on the Pathogenesis of Bacterial Neurointoxications, by A. D. Ado, V. V. Mikhaylov, (DC-4295).  
RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLIX, No 3, 1960, pp 373-387.

\*JPRS

Principles of Selection of Brucella Vaccine Strains, by Kh. S. Katyarova, A. M. Polyakova, L. V. Lukashova.  
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIV, No 2, 1959, pp 42-49. 9057452

USDA

Scientific  
Medicine (Contd)

Effect of Air Pollution in Towns Upon the Health of the Population, by R. A. Babayants, 20 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, No 12, 1959, pp 3-12.

LLU Tr Bul  
Jun 60

Transplantation of Bone Marrow in Radiation Injuries (Literature Survey), by Yu. M. Zaretskaya, M. P. Andreyeva, L. N. Kvasnikova, S. A. Simkina, 17 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 2, 1960, pp 63-72.

JPRS 5018

The Contemporary State and Future Prospects of the Investigation of the Problem of the Viral Etiology of Tumors, by A. D. Timofeyevskiy, 19 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 4, 1960, pp 17-29.

JPRS 5272

Principles of Chemotherapy in Oncology, by L. F. Larionov, 11 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 4, 1960, pp 29-36.

JPRS 5273

Application of High Energy Radiation for the Bloodless Destruction of Brain Tissue, by G. A. Zedgenidze, 7 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 4, 1960, pp 57-62.

JPRS 5274

Opening Address, by A. N. Bakulev, (NY-4654).

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 5, 1960, pp 4-7.

\*JPRS

The Activity of the Academy of Medical Sciences USSR in 1957-1959, by V. V. Parin, 45 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 5, 1960, pp 8-22.

JPRS 5406

The Ultrastructure of Bacteria, by A. P. Pakhov, (NY-4654).

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 5, 1960, pp 43-54.

\*JPRS

Scientific  
Medicine (Contd.)

Scientific Conference on the Problem of New  
Antibacterial Antibiotics, by T. A. Uspenskaya,  
L. P. Ivanitskaya, 14 pp.  
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV,  
No 5, 1960, pp 72-75.

JPRS 5402

Surgical Symposium on Mitral Commissurotomy,  
by V. M. Sergeyev, V. A. Kovanev, 22 pp.  
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV,  
No 5, 1960, pp 75-81.

JPRS 5404

Eleventh Scientific Session of the Institute  
of Therapy of the Academy of Medical Sciences  
USSR, by G. Ye. Perchikova, 17 pp.  
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV,  
No 5, 1960, pp 81-85.

JPRS 5405

Conference on the Structure and Function of  
Human Analyzers in Ontogenesis, by E. N.  
Popov, N. S. Preobrazhenskaya, I. A. Stankevich,  
12 pp.  
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV,  
No 6, 1960, pp 85-90.

JPRS 4009

The Problems of Modeling Biocatalysts, by  
L. A. Nikolayev, 20 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXX,  
No 3, 1960, pp 13-21.

JPRS 5066

The Incidence of Skin Diseases in Leningrad,  
by G. Ya. Travin, (DC-4224).  
RUSSIAN, per, Vest Dermatologii i Venerologii,  
No 4, Jul/Aug 1960, pp 32-36.

\*JPRS

The Characteristics of Skin Diseases in Sverd-  
lovsk for 1957, by D. N. Plishkin, (DC-4224).  
RUSSIAN, per, Vest Dermatologii i Venerologii,  
No 4, Jul/Aug 1960, pp 36-38.

\*JPRS

On the Morphological Characteristics of the  
Takeability of Free Skin Transplants in Acute  
Radiation Sickness, by K. K. Zaytseva, 11 pp.  
RUSSIAN, per, Vest Khirurg, Vol LXXXIV, No 3,  
1960, pp 97-102.

JPRS 5316

Scientific  
Medicine (Contd)

Therapeutic Preparations From Blood and Their  
Clinical Application, by A. N. Filatov, L. G.  
Bogomolova, I. G. Andrianova, 5 pp.  
RUSSIAN, per, Vest Khirurg, Vol LXXXIV, No 3,  
1960, pp 135, 136.

JPRS 5317

Demands on Pharmacology and Pharmaceutical  
Chemistry by Modern Anesthesiology, by P. A.  
Kupriyanov, V. M. Vinogradov, N. A. Meshcher-  
yakov, B. S. Uvarov, Yu. N. Shanin, 14 pp.  
RUSSIAN, per, Vest Khirurg, Vol LXXXIV, No 4,  
1960, pp 85-93.

JPRS 5398

Volga Conference on Glaucoma, by L. V. Rokit-  
skaya, 13 pp.  
RUSSIAN, per, Vest Oftal'mol, No 2, 1960,  
pp 56-59.

JPRS 5109

Conference of the Problems Commission of  
the Academy of Medical Sciences USSR on  
Ophthalmology, by E. N. Vil'shanskiy, 8 pp.  
RUSSIAN, per, Vest Oftal'mol, No 2, 1960,  
pp 59, 60.

JPRS 5109

News of Soviet Roentgenology, by R. Ya.  
Gasul', A. L. Budyko, 3 pp.  
RUSSIAN, per, Vest Rentgenolog i Radiolog,  
Vol XXIV, No 4, 1959, pp 93, 94.

JPRS 2992

The Rostov-on-Don Scientific Society of  
Roentgenologists and Radiologists, by A. V.  
Rozenberg, 4 pp.  
RUSSIAN, per, Vest Rentgenolog i Radiolog,  
Vol XXIV, No 4, 1959, pp 94, 95.

JPRS 2992

Soviet Initiative in the Control of Cancer  
Supported by the UN General Assembly, (NY-  
4813).  
RUSSIAN, per, Vest Rentgenolog i Radiolog,  
Vol XXXV, No 3, 1960, pp 3-7.

\*JPRS

Clinical Rentgenological Changes in the  
Cardiovascular System Under the Action of  
Ionizing Radiation, by V. V. Zodiyeu,  
I. M. Yakhnich, V. F. Balyayeva, T. A.  
Tsiya, (NY-4813).  
RUSSIAN, per, Vest Rentgenolog i Radiolog,  
Vol XXXV, No 3, 1960, pp 24-29.

\*JPRS



Scientific  
Medicine (Contd)

Problems of the Scientific Study and Introduction of Artificial Insemination for Farm Animals, by V. K. Milovanov, V. N. Tikhomirov. RUSSIAN, per, Vest Sel'skokhoz Nauk, No 5, 1960, pp 77-82.

\*USDA

Additional Information on Foot-and-Mouth Disease as a Zoonotic Infection, by S. R. Didovets. RUSSIAN, per, Veterinariya, Vol XXXVII, No 2, 1960, pp 16-19. 9057449

USDA

Aerogenic Method of Vaccination Against Fowl Plague, by M. T. Prokofyeva. RUSSIAN, per, Veterinariya, Vol XXXVII, No 2, 1960, pp 35-38. 9057450.

USDA

Conference on Questions Concerning the Enforcement of the Control With Regard to the Fulfillment of the Veterinary Statute of the USSR. RUSSIAN, per, Veterinariya, Vol XXXVII, No 2, 1960, pp 83-91. 9057446

USDA

Rapid Diagnosis of Paratyphoid Toxic Infections, by L. P. Zalesskiy. RUSSIAN, per, Veterinariya, Vol XXXVII, No 3, 1960, pp 88-90. 9057455

USDA

Coordination Conference on the Consideration of the Thematic Plan for Scientific-Research Veterinary Establishments and Higher Educational Establishments for the Year 1960, by G. Vasil'kov. RUSSIAN, per, Veterinariya, Vol XXXVII, No 4, 1960, pp 91-93. 9057454

USDA

Is Classical Genetics Being Revived? by R. A. Dvoryankin. RUSSIAN, per, Voprosy Filosof, Vol XIII, No 12, 1959, pp 128-138. 9057402

USDA

Conference for Exchanging Experience in Using Solar-Treatment Reflectors, by B. V. Petukhov, 6 pp. RUSSIAN, per, Voprosy Kurotologii Fiz i Lechebnoy Fiz Kul'tury, Vol XXV, No 3, 1960, pp 281-283.

JPRS 4010

Scientific  
Medicine (Contd)

Ethylene -- an Endogenic Substance in Tumor Vectors, by M. T. Kokonov, 17 pp.  
RUSSIAN, per, Voprosy Med Khim, Vol VI, No 2, Mar/Apr 1960, pp 158-165.

JPRS 2960

The Incorporation of Formate- $C^{14}$  Into Nucleic Acids and Proteins of Experimental Tumors, by V. S. Kirsanova, Yu. S. Gurevich-Uyskina, (DC-4246).  
RUSSIAN, per, Voprosy Med Khim, Vol VI, No 3, 1960, pp 254-259.

\*JPRS

Effect of Y90 on the Nervous System in Connection With the Possibility of Using It in Experiment and in the Neurosurgical Clinic, by A. V. Lebedinskiy, L. D. Klimovskaya, Z. N. Nakhil'nitskaya, et al, 8 pp.  
RUSSIAN, per, Voprosy Nevrokhirurg, Vol XXIV, No 2, Mar/Apr 1960, pp 9-12.

JPRS 5107

Great Concern for Public Health, 6 pp.  
RUSSIAN, per, Voprosy Okhrany Materinstva i Dyetstva, Vol V, No 2, Mar/Apr 1960, pp 3-6.

JPRS 5110

Tasks Set Forth by the All-Union Congress of Pediatricians, by M. M. Bubnova, N. N. Grigor'yeva, 10 pp.  
RUSSIAN, per, Voprosy Okhrany Materinstva i Dyetstva, Vol V, No 2, Mar/Apr 1960, pp 7-13.

JPRS 511C

All-Union Conference for Coordination of Scientific Research in the Field of Oncology, by A. V. Chaklin, (SF-1066).  
RUSSIAN, per, Voprosy Onkologii, Vol VI, No 3, 1960, pp 109-117.

\*JPRS

The Use of Soluble Filter Made of Gelatin Foam in Investigating Air, by D. I. Bel'tsev, B. F. Pyankov.  
RUSSIAN, per, Voyenno Med Zhur, No 6, 1956, pp 81-84.

\*USDA

Symposium on the Problems of Chemical and Hormonal Therapy of Malignant Tumors, by Ya. M. Telengator, L. I. Korenevskiy, (DC-4359).  
RUSSIAN, per, Vrachebnoye Delo, No 11, 1959, pp 1215-1218.

\*JPRS

Scientific  
Medicine (Contd)

News of Soviet Toxicological Studies, by Yu. I. Vasilenko, 3 pp.

RUSSIAN, per, Vrachebnoye Delo, No 2, 1960, pp 173-176.

JPRS 3634

Early Manifestations of Tetraethyl Lead Intoxication, by V. Ye. Lyubomudrov, 3 pp.  
RUSSIAN, per, Vrachebnoye Delo, No 2, 1960, pp 175-178.

JPRS 3634

Concerning the Discussion About Silicate Bacteria, by M. S. Kunin.  
RUSSIAN, per, Zash Rast, Vol IV, No 5, 1959, pp 29-32. 9057409

USDA

Measures for the Further Improvement of Medical Care and Protection of the Health of the Population of the USSR, 10 pp.  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VI, No 2, 1960, pp 3-10.

JPRS 3803

Stress and General Reactions of the Organism, by M. F. Merezhinskiy, 6 pp.  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VI, No 2, 1960, pp 11-15.

JPRS 3804

Synthetic Colloidal Plasma Substitutes in Surgery, by L. V. Lavrova, L. K. Chekedova, 3 pp.  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VI, No 2, 1960, pp 53, 54.

JPRS 3805

The Most Important Government Task, by I. B. Kardash, (NY-4714).  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VI, No 5, 1960, pp 3-7.

\*JPRS

Measures for Further Improving the Medical Service and Health Protection in the Belorussian SSSR, by I. A. Insarov, (DC-4303).  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VI, No 6, 1960, pp 6-16.

\*JPRS

Republic Conference of Health Workers in the Belorussian SSR, by G. Klebanov, S. Kamyshnikov, (DC-4303).  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VI, No 6, 1960, pp 17-26.

\*JPRS

Scientific  
Medicine (Contd)

Improvement of the Work of Health and Epidemio-  
logical Stations in the Control of Occupational  
Diseases and Toxicologies, by L. L. Al'pern.  
RUSSIAN, per, Zdravookhraneniye Rossiyskoy Feder-  
atsiy, Vol I, No 7, 1957, p 8.

\*USDA

On the Deficiencies in the Work of the Saratov  
Medical Institute, by D. A. Bassalyk, 8 pp.  
RUSSIAN, per, Zdravookhraneniye Rossiyskoy Feder-  
atsiy, No 3, 1960, pp 40, 41.

JPRS 5014

Observations of the Production of Toxin in the  
Digestive Tract of Animals Infected Through  
the Mouth With the Culture of the Pathogen of  
Botulism Type A, by L. M. Shvedov.  
RUSSIAN, per, Zhur Mikrobiol, Epidemiol i  
Immunobiol, No 1, 1960, pp 106-111. 9057441

USDA

Conference on the Problem of Adaptational  
Reactions and Methods of Increasing the Re-  
sistance of the Organism to Unfavorable  
Influences, by N. V. Lazarev, I. F. Grekh,  
5 pp.  
RUSSIAN, per, Zhur Mikrobiol Epidemiol i  
Immunobiol, No 1, 1960, pp 156-158.

JPRS 3806

Contemporary Status of the Study of Melioid-  
osis and Some Tasks for the Scientific Re-  
search Work in This Field, by M. I. Levi.  
RUSSIAN, per, Zhur Mikrobiol, Epidemiol i  
Immunobiol, No 2, 1960, pp 133-139. 9057442

USDA

On the Neurological Structure of the Nucleus  
of the Acoustic Analyzer, by N. S. Popova,  
(NY-4810).  
RUSSIAN, per, Zhur Nevropatologii i Psikh  
imeni S. S. Korsakova, Vol LX, No 5, 1960,  
pp 513-521.

\*JPRS

Morphological Changes of Synapses of the  
Central Nervous System in Experimental Chronic  
Radiation, by A. G. Khanin, (NY-4658).  
RUSSIAN, per, Zhur Nevropatologii i Psikh  
imeni S. S. Korsakova, Vol LX, No 5, 1960,  
pp 522-528.

\*JPRS

Scientific  
Medicine (Contd)

Histopathological Changes in the Central Nervous System Due to the Total Action of Gamma-Rays in Large Doses on the Animal Organism, by A. F. Bibikova, (NY-4658).

RUSSIAN, per, Zhur Nevropatolog i Psikh imeni S. S. Korsakova, Vol LX, No 5, 1960, pp 529-534.

\*JPRS

Certain Problems of the Study of Reticular Formations in Connection With the Theory and Practice of Psychiatry, by A. D. Zurabashvili, (NY-4658).

RUSSIAN, per, Zhur Nevropatolog i Psikh imeni S. S. Korsakova, Vol LX, No 5, 1960, pp 632-636.

\*JPRS

Electronics in Biology and Medicine, by V. V. Parin, M. Naydenov, L. Yefimov, Ye. Liberman, 9 pp.

RUSSIAN, per, Znaniye — Sila, No 4, 1959, p 8, 10, 11.

JPRS 5007

Medicines Built Into Molecules, by M. Popovskiy, 10 pp.

RUSSIAN, per, Znaniye — Sila, No 4, 1959, pp 42, 43.

JPRS 2990

Eleven Thousand Persons Over 90 Years of Age, by Yu. Spasokukotskiy, 5 pp.

RUSSIAN, per, Znaniye — Sila, Vol XXXIV, No 11, 1959, pp 15, 16.

JPRS 3746

Nucleoproteins and Heredity, by M. V. Turbin, 18 pp.

BELORUSSIAN, per, Vestsi Ak Navuk BSSR, Seryya Biyalagichnykh Navuk, No 2, 1959, pp 12-24.

JPRS 3678

Article on Anthrax, by P. E. Verbev.  
BULGARIAN, bk, Chastna Epidemiologiya, 1957.

\*ACSI H-7343  
ID 2149795

On the Essence of the Mind and the Object of Psychology, by N. S. Popov, 20 pp.

BULGARIAN, per, Filosofska Mys'l, Vol XV, No 5, Sofia, 1959, pp 81-93.

JPRS 5133

Scientific  
Medicine (Contd)

Study of the Epidemiology of Infectious Hepatitis in a Foochow Nursery School-Kindergarten, and Preventive Measures, by Chuang Ching, Wang Yung-k'uan, 10 pp.

CHINESE, per, Chung-hua Erh-k'o Tsa-chih, Vol XI, No 2, pp 140, 141.

JPRS 5263

The Flying Development of Physical Culture in China, by Tung Shou-i, 10 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 21.

JPRS 2949

Leprosy Can Definitely be Cured, by Yu Chia-chun, 7 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 22.

JPRS 2949

Inherit and Develop the Fatherland's Medical Legacy, by Shih Hsiao-shan, 3 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 22.

JPRS 2949

Anhui Bids Goodby to the Plagues, by Wu Yen-chiu, Chiao Ming-lan, Chu Sui, 9 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 22.

JPRS 2949

The Sustained Big Leap Forward in Medical and Health Enterprises, by Yen Fu-ch'ing, Shen K'o-fei, Wang Shu-chen, Hu Mou-lien, 18 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 22.

JPRS 2949

Physical Culture That Serves Socialist Construction, by Yuan Tun-li, 11 pp.

CHINESE, np, Jen-min Jih-pao, 11 Apr 1960, p 24.

JPRS 2949

An Appreciation of Simultaneous Survey and Treatment of Filariasis, Malaria, and Hookworm Disease in the T'u-chu People's Commune of Lo-shan Hsien, Szechwan Province, 5 pp.

CHINESE, per, Jen-min Pao-chien, Vol , 1959, pp 663, 664.

JPRS 5104

Report on the Prevention and Treatment of Hookworm Disease in the Hsi-pu Production Brigade of Shan-t'ing People's Commune, Pu'u-t'ien Hsien, Fukien Province, 9 pp.

CHINESE, per, Jen-min Pao-chien, Vol I, 1959, pp 665-667.

JPRS 5104

Scientific  
Medicine (Contd)

Report on a Survey of Day Nurseries and Kindergartens in the Liao-shen People's Commune, 7 pp.  
CHINESE, per, Jen-min Pao-chien, Vol I, 1959,  
pp 668, 669.

JPRS 5104

The Prevalence of Measles and Epidemic Control Measures in the Huang-chuang Brigade of Tung-chiao People's Commune, Cheng-chou City, by Chia Shan-fu, Liu Tzu-ch'in, Chang Wan-t'ung, 9 pp.  
CHINESE, per, Jen-min Pao-chien, Vol I, 1959,  
pp 855-857.

JPRS 5104

Medical Expense Insurance System Practiced in the Nan-kuan Administrative District of the Cho-chou Chen People's Commune, Cho Hsien, Hopeh Province, 5 pp.  
CHINESE, per, Jen-min Pao-chien, Vol I, 1959,  
pp 858, 859.

JPRS 5104

Hsiu-yen Hsien, Liaoning Province, Formulates Plan for Provisional Control of Hospitals and Health Centers, 4 pp.  
CHINESE, per, Jen-min Pao-chien, Vol I, 1959,  
pp 859, 860.

JPRS 5104

Vigorously Promote Research on Disease Eradication as Related to the Treatment and Utilization of Sewage, 15 pp.  
CHINESE, per, Jen-min Pao-chien, No 3, 1960,  
pp 115-117.

JPRS 2976

The Influence of Sewage-Irrigated Farms on the Occurrence of Dermatitis and Infectious Enteric Diseases, by Hsu Chih-hui, 14 pp.  
CHINESE, per, Jen-min Pao-chien, No 3, 1960,  
pp 121-124.

JPRS 2976

Sanitary Survey of Underground Water, Soil, and Vegetables in Areas Irrigated With Sewage, by Sun Mien-ling, 13 pp.  
CHINESE, per, Jen-min Pao-chien, No 3, 1960,  
pp 124-126.

JPRS 2976

Scientific  
Medicine (Contd)

Preliminary Report on Sanitary Analysis of Water-Sources in the Sikang-Tibet Plateau, by Mao Hung-hsing, 27 pp.

CHINESE, per, Jen-min Pao-chien, No 3, 1960, pp 126-131.

JPRS 2976

Preliminary Test on the Disinfection of Drinking Water and Eating Utensils by Using Aquargen, by Ch'ang Yao-tung, Fu Ming-chieh, 22 pp.

CHINESE, per, Jen-min Pao-chien, No 3, 1960, pp 132-136..

JPRS 2976

Health Survey of Middle School Students Participating in Productive Labor, 16 pp.

CHINESE, per, Jen-min Pao-chien, No 3, 1960, pp 142-145.

JPRS 2976

On the Caloric Consumption of Farmers, by Yu Hsi-hsuan, Liu Hsiu-yun, Lu Kang, Wang Li-hua, 19 pp.

CHINESE, per, Jen-min Pao-chien, No 3, 1960, pp 148-151.

JPRS 2976

1955 vs 1958 Life-Tables for Men and Women in Ch'ang-ch'un, by Lu Shou-tseng, Wang Kuang-i, 22 pp.

CHINESE, per, Jen-min Pao-chien, No 3, 1960, pp 160-166.

JPRS 2976

New Trends in the Development of Palatization, by Alec Rava.

CZECH, per, Doprava, No 6, 1960.

\*519th MI Bn H-7342  
ID 2149794

On the Threshold of the Universe, 4 pp.

CZECH, per, Technicky Magazin, No 3, Praha, 1960.

AF 1419631

Activities Report of the Veterinary Hygiene and Animal Disease Institute of the Justus Liebig University in Giessen for the Year 1958. GERMAN, Incl. No 1, R-234-59, Bonn, Germany, 1959.

ACSI H-5715  
ID 2141592



Scientific  
Medicine (Contd)

Supervision Feeding, 27 pp.

GERMAN, rpt, Die Hygienische Überwachung der Truppenverpflegung, Part IV, 1957, pp 120-137, Appendix, pp 138-148.

ACSI H-6696  
ID 2147202

The Effect of Diluting Solutions on the Results of Bacteria Counts of Irradiated and Frozen Fish, by W. Schmidt-Lorenz.

GERMAN, per, Archiv fuer Lebensmittelhygiene, Vol XI, No 3, 1960.

\*ABC

Theory of Narcosis by Inhalation Anaesthesia, by K. H. Meyer, H. Gottlieb-Billroth, 17 pp.

GERMAN, per, Z fuer Physiologische Chemie, Vol CXII, 1920, pp 55-. 9070370

ACSI 1086

A. Anti-Tubercular Struggle; B. Law Regarding Venereal Diseases, 18 pp.

GREEK, per, Panellinoy Zetrickoy Syllogoy, No 34, Nov-Dec 1959, pp 21-24.

ACSI H-6595  
ID 2146498

Data on the Radiomimetic Effect of Nitrogen Mustard (NM), by Gabor David, Bela Fism, (DC-4300).

HUNGARIAN, per, Honvedorvos, Vol XII, No 2, p 132-.

\*JPRS

Studies of Some Heat Loss Phenomena in Soldiers Undergoing Physical Exertion, by M. Boguszezwska, T. Kraska, R. Kobylinski, H. Lotach, 27 pp.

POLISH, per, Postepy Higieny i Medycyny Doswiadczałnej, Vol XIII, No 6, 1959, pp 787-803.

JPRS 5189

On Some Measures of Chemical, Biological, and Radiological Protection of Troops in Battle, by Ante Grgin, (NY-4765).

SERBIAN, per, Vojni Glasnik, No 13(5), 1959, pp 36-45.

\*JPRS

Survey of Psychiatric Casualties in an Eventual Atomic Warfare, by T. Kronja, 13 pp.

SERBIAN, per, Vojnosanitetski Pregled, Vol XVI, No 5, 1959, pp 418-422.

ACSI H-6410  
ID 2144873

Scientific  
Medicine (Contd)

Natural Q-Fever, by M. Morelj, M. Gerbec.  
SERBIAN, per, Vojnosanitetski Pregled, Vol XVI,  
No 11, 1959, pp 894-899.

\*ACSI H-6989  
ID 2146530

Chemotherapy in Poisoning With Nerve Gases, by  
Z. Binenfeld.  
SERBIAN, per, Vojnosanitetski Pregled, Vol XVI,  
No 11, 1959, pp 915-920.

\*ACSI H-6989  
ID 2146530

Contribution to Estimation of Oximes in Blood.  
I. Determination of En'trimethylenebis (4-  
Pyridinium Oxime Bromide) (TMB-4), by Ph. V.  
Bozic.  
SERBIAN, per, Vojnosanitetski Pregled, Vol XVII,  
No 1, 1960, pp 50-57.

\*ACSI H-4990  
ID 2146531

Alcoholism and Neuro-Psychiatric Diseases, by  
S. D. Rasin, (NY-4750).  
UKRAINIAN, bk, Alkoholizm i Nervovo-Psykhichni  
Khvoroby, 1959, pp 1-39.

\*JPRS

Effect of Ionizing Radiation on the Electric  
Activity of the Brain. On the Activity of  
Beta-Radiations of Human Blood, by A. I.  
Danilenko, N. D. Stetsenko, 10 pp.  
UKRAINIAN, bk, Deistvie Ioniziruyushchikh  
Izlucheni na Elektricheskuyu Aktivnost Mozga.  
Ob Aktivnosti  $\beta$ -Izlucheniya Krovi Cheloveka,  
Kiev, 1956.

AEC Tr 4079

Preparations for the Therapy of Malignant  
Tumors, by O. V. Vladzimir's'ka, (NY-4686).  
UKRAINIAN, per, Farmatsevtichnyi Zhur, Vol XV,  
No 3, 1960, pp 8-13.

\*JPRS

Changes in the Morphological Composition of  
the Peripheral Blood of Dogs of Various Higher  
Nervous Activity Types Under the Influence of  
Chronic Irradiation With Small Doses of Gamma  
Rays ( $Co^{60}$ ), by O. F. Makarchenko, M. F.  
Sirotna, R. S. Ziatin, 10 pp.  
UKRAINIAN, per, Fiz Zhur, Vol V, No 6, 1959,  
pp 769-773.

JPRS 2936

Scientific  
Medicine (Contd)

Beta-Radiation in Human Blood in Malignant Neoplasms and Certain Blood Diseases, by A. I. Danilenko, I. N. Shevchenko, 6 pp.  
UKRAINIAN, per, Fiz Zhur, Vol.VI, No 1, 1960, pp 114-116.

JPRS 5041

The Application of Radioelectronics in Medicine and Biology, by A. A. Gorodetskiy, B. R. Kirychinskiy, 6 pp.  
UKRAINIAN, per, Fiz Zhur, Vol VI, No 1, 1960, pp 139-141.

JPRS 5042

The Effect of Gamma-Radiation of Some Biological Characteristics of B. Breslau, by Ye. I. Andreyuk, (NY-4764).  
UKRAINIAN, per, Mikrobiol Zhur, Vol XXII, No 3, 1960, pp 53-57.

\*JPRS

Mutability of Microorganisms Under the Effect of Ionizing Radiation, by A. M. Pasechnik, (NY-4764).  
UKRAINIAN, per, Mikrobiol Zhur, Vol XXII, No 3, 1960, pp 69-74.

\*JPRS

Scientific  
Minerals/Metals

Inhibitors of Metallic Corrosion, by  
I. N. Putilova, 194 pp.  
RUSSIAN, bk, 1958.

Pergamon Inst

Properties of Al, Nb and Alloys Based  
Upon Them, by E. M. Savitskiy, Baron.  
RUSSIAN, bk, Alloys of Rare Metals.

\*AEC

Titanium-Rare Earth Alloy System, by E.  
M. Savitskiy, et al.  
RUSSIAN, bk, Alloy of Rare Metals.

\*AEC

La, Ce-Nb Alloy System, by E. M. Savitskiy,  
et al.  
RUSSIAN, bk, Alloy of Rare Metals.

\*AEC

Certain Types of Pneumatolytic-Hydrothermal  
Beryllium Deposits, by A. I. Ginzberg,  
A. A. Beus, A. A. Sitkin, N. P. Zabolotnaya,  
M. I. Novikova, 59 pp.  
RUSSIAN, bk, Geologiya Mestorozhdeniy  
Redkikh Elementov, No 4, 1959, pp 1-54.

JPRS 5010

Machining Heat-Resistant Alloys.  
RUSSIAN, bk, Obrabotka Zharoprochnykh  
Splavov, Akademiya Nauk SSSR, 1960, 232 pp.

\*ATIC MCL-697/III

Special Steels and Alloys, A Collection  
of Works.

RUSSIAN, bk, Spetsial'nyye Stali i  
Splavi - Sbornik Trudov, Issue 17, 1960,  
pp 327-348, 349-357, 398-418, 472-488.

\*ATIC MCL-711/1

Theory of the Corrosion and Protection of  
Metals, by N. D. Tomashov.

RUSSIAN, bk, Teoriya Korozii i Zashchity  
Metallor, 1959, pp 535-542, 555-556,  
563-566, 571-572.

\*ATIC MCL-713/1

Production of Wide Cold-Rolled Sheet Made  
of Alloy VT-1D, by V. F. Kalugin, V. K.  
Barziy, S. G. Glasonov, T. S. Kuzina,  
B. N. Popov, (DC-4341).

RUSSIAN, bk, Titan i Yego Splavy,  
Metallurgiya Titana, No 2, 1959, pp 133-144.

\*JPRS

**Scientific  
Minerals/Metals (Contd)**

Problems on the Theory of Heat Resistance  
of Alloys, 255 pp.

RUSSIAN, bk, Trudy Instituta Fiziki  
Metallov -- Voprosy Teorii Zharoprochnosti  
Metallicheskikh Splavov, No 4, 1958,  
pp 3-94, 101.

JPRS 5024

Determining the Optimum Yield of Concentrated  
Ore in the Radiometric Concentration of  
Uranium Ores, by Ye. D. Mal'tsev, 13 pp.

RUSSIAN, per, Atomnaya Energiya, Vol VIII,  
No 2, 1960, pp 121-126.

JPRS 3608

Proceedings of the First International  
Conference on Powder Metallurgy, 5 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 2,  
1958, pp 100, 101.

ATIC MCL-515/III

Soviet Materials for Parts of Fuel Control  
Systems, 3 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 4,  
1958, p 108.

AID SIR-3324

Torsion Tests on Creep in Iron at High  
Temperatures, by L. N. Bystrov, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel  
Tekh Nauk, Prob Met i Topliva, No 6,  
1959, pp 37-42.

\*AEC

Changes in the Properties of Metals During  
Creep, by L. K. Gordienko, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Prob Met i Topliva, No 6, 1959, pp 52-65.

\*AEC

Theory and Practice of Deoxidation of Steel,  
by N. N. Dobrokhotoy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Chern Met, Oct 1959, pp 23-28.

HB 4855

On the Technical Classification of Metals,  
by V. A. Pazukhin, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet  
Metal, No 1, 1960, pp 57-63.

JPRS 2991

Scientific  
Minerals/Metals (Contd)

Production of Ductile Hafnium by the Iodide Method, by V. S. Yemel'yanov, P. D. Bystrov, A. I. Yevstyukhin, 9 pp. RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 63-69.

JPRS 5145

Investigation of the Process of Obtaining Ductile Molybdenum by the Thermal Dissociation of Its Pentachloride, by G. A. Leont'yev, 11 pp. RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 70-77.

JPRS 5145

Investigation of the Iodide Process for Producing Zirconium, Employing Zirconium Carbide as Raw Material, by A. I. Yevstyukhin, I. P. Barinov, D. D. Abanin, 7 pp. RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 78-83.

JPRS 5145

Concerning the Method of Regeneration of Zirconium and Iodine in the Iodide Refining Process, by A. I. Yevstyukhin, A. A. Bakakina, 8 pp. RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 84-90.

JPRS 5145

Arc Melting of Refractory Metals and Alloys Under Laboratory Conditions, by A. I. Yevstyukhin, G. A. Leont'yev, V. V. Nikishanov, 18 pp. RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 106-121.

JPRS 5081

Construction of and Operational Experience With the High Temperature MIFI-9-2 Furnace With a Graphite Heating Element for Vacuum Melting and Casting of Pure Metals and Alloys, by A. I. Yevstyukhin, G. A. Leont'yev, N. V. Borkov, 7 pp. RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 122-127.

JPRS 5081

Scientific  
Minerals/Metals (Contd)

Mechanical Properties of Binary and Ternary Alloys of Zirconium With Tantalum and Niobium at Room and Elevated Temperatures, by V. S. Yemel'yanov, Yu. G. Godin, A. I. Yevstyukhin, 20 pp.

RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 128-143.

JPRS 5081

Electronographic and Kinetic Investigation of the Process of Oxidation of Zirconium and Certain Alloys on Its Base, by I. I. Korobkov, D. V. Ignatov, A. I. Yevstyukhin, V. S. Yemel'yanov, 23 pp.

RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 144-161.

JPRS 5167

Diffusion of Zirconium and Tin in Tin Alloys of Alpha-Zirconium, by G. B. Fedorov, F. I. Zhomov, 10 pp.

RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 162-169.

JPRS 5167

Diffusion of Zirconium and Tin in Tin Alloys of Beta-Zirconium, by G. B. Fedorov, V. D. Gulyakin, 12 pp.

RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 170-178.

JPRS 5167

Constitutional Diagram of Zirconium-Niobium, by Yu. F. Bychkov, A. N. Rozanov, D. M. Skorov, 17 pp.

RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 179-188.

JPRS 5179

Concerning the Regularity Observed in the Change of Volume During Formation of Intermetallic Compounds, by V. S. Lyashenko, 10 pp.

RUSSIAN, bk, Metal i Metall Chistykh Metallov, No 1, 1959, pp 192-199.

JPRS 5179

Scientific  
Minerals/Metals (Contd)

Application of the Radioactive Isotope  $C^{14}$  for Studying Electrolytic Transfer of Carbon in Metals and Alloys, by Yu. F. Babikova, P. L. Gruzin, 17 pp.  
RUSSIAN, per, Metal i Metall Chistykh Metallov, No 1, 1959, pp 200-212.

JPRS 5179

The Fall in Steel Temperature During Continuous Casting, by V. Y. Genkin, O. A. Shatagin.  
RUSSIAN, per, Metallurg, No 11, 1959, pp 17-.

BISI 1651

Determination of the Part Played by Refractories in the Contamination of Rimming Steel by Non-Metallic Inclusions, by M. I. Tsekhan'skiy, et al.  
RUSSIAN, per, Ogneupory, Vol XXIII, 1958, pp 82-.

DSIR LLU M.1167

Radioactive Decay Products for Equilibrium As a Measure of Uranium, Ionium and Radium Migration, by V. I. Malyshev, 18 pp.  
RUSSIAN, per, Sovet Geolog, No 7, 1958.

MEB

On the Origin of Coloured Spot on Tinplate, by N. I. Sandler, G. G. Solov'yeva.  
RUSSIAN, per, Stal, Metallography and Heat Treatment Supplement, 1958, pp 247-250.

BISI 1570

Chlorination of Tin Concentrates, by D. M. Chizhikov, G. S. Balikhina.  
RUSSIAN, per, Tsvetnye Metally, No 8, 1937, pp 68-75.

DSIR LLU M.1307

Development of a Scheme for the Automatic Control of a Magnesium-Thermic Process for the Reduction of Titanium, by A. G. Arkad'yev, et al.  
RUSSIAN, per, Tsvetnye Metally, No 1, 1959, pp 53-62.

DSIR LLU M.1213



Scientific  
Minerals/Metals (Contd)

Autoclave Hydrometallurgy in the Separation of Copper-Nickel Ores, by S. I. Sobol. RUSSIAN, per, Tsvetnye Metally, Vol XXXII, No 2, 1959, pp 34-40.

DSIR LLU M.1248

On the Hydrometallurgical Treatment of Copper-Nickel Mattes, by V. P. Govorov. RUSSIAN, per, Tsvetnye Metally, No 2, 1959, pp 41-46.

DSIR LLU M.1215

Homogenization of Duralumin Ingots in Modern Electric Furnaces With Air Circulation, by A. I. Kolpashnikov, V. D. Korolev. RUSSIAN, per, Tsvetnye Metally, No 4, 1959, pp 64-69.

DSIR LLU M.1261

SEV-Conference on Concentration of Non-ferrous Metal Ores, by S. I. Mitrofanov, 10 pp. RUSSIAN, per, Tsvetnye Metally, No 10, 1959, pp 88-92.

JPRS 4001

Tantalum Tubing, 3 pp. RUSSIAN, per, Tsvetnye Metally, No 1, 1960, pp 60-67.

AID SIR-3358

Micro-Structure of the Surface of Boules of Synthetic Corundum, by A. A. Gumilevskiy. RUSSIAN, per, Zapiski Vses Mineralog Obshch, No 6, 1957, pp 731-735.

DSIR LLU RTS 1460

Autoradiographic Study of the Self-Diffusion and Diffusion of Chromium in Certain Metals, by S. Z. Bokshtein, et al. RUSSIAN, per, Zavod Lab, Vol XXIII, No 3, 1957, pp 316-318.

DSIR LLU RTS 1490

Influence of Copper on the Recrystallization Temperature of Low-Carbon Steel, by M. Zidek. CZECH, per, Hutnicke Listy, Nov 1959, pp 943-947.

\*BISI 1807

Scientific  
Minerals/Metals (Contd)

Spectrophotometric Measurement of  
Traces of Niobium and Tantalum in  
Stainless Steels, by R. Rosotte,  
E. Jaudon.

FRENCH, per, Chimie Analytique,  
Jun 1959, pp 229-239.

\*BISI 1794

Experimental Investigation of Solidification  
Cracks in Steel and Influence of Impurities,  
by A. Gueussier, R. Castro.

FRENCH, per, Revue de Metallurgie, Feb 1960,  
p 117.

\*BISI 1824

The Brittleness of Special Steels. The  
Influence of Impurities, by R. Castro,  
A. Gueussier.

FRENCH, per, Revue de Metallurgie, Feb 1960,  
pp 135-148.

\*BISI 1816

Metallographic Investigations on X 8 CrNiNb  
1613 After Creep Tests at 750°C, by A.  
Schrader, A. Krisch.

GERMAN, Papers Presented at the International  
Discussions on Long Time Behaviour of High  
Temperature Steels Held in Dusseldorf,  
24, 25 Jun 1960.

BISI 1803

Scatter of Creep Strength of Steel X 22 CrMo (W)  
V 12 1, a Joint Evaluation of German Tests,  
by R. Schinn.

GERMAN, Papers Presented at the International  
Discussions on Long Time Behaviour of High  
Temperature Steels Held in Dusseldorf,  
24, 25 Jun 1960.

BISI 1804

The Sulphur Equilibrium Between Carbon-  
Saturated Hot Metal and Lime-Silica Slage,  
by H. Schenck, et al.

GERMAN, per, Archiv Eisenhüttenwesen, Jan 1960,  
pp 11-17.

BISI 1641

Scientific  
Minerals/Metals (Contd)

Petrographic Factors Affecting the Reducibility of Iron Ores: An Attempt at Parallelization, by H. Schenck, A. Korigs.

GERMAN, per, Archiv Eisenhüttenwesen, Apr 1960, pp 201-213.

\*BISI 1817

The Corrosion of Titanium in Molten Salt Baths, by M. E. Straumanis, Y. P. Huang.

GERMAN, per, Metall, Vol XI, No 12, 1957, pp 1029-1032.

ATS 505-GJ

Experiments Concerning the Improvement of Titanium Coatings on Iron, Obtained by Nonelectrolytic Deposition, by M. E. Straumanis, Y. P. Huang.

GERMAN, per, Metall, Vol XII, No 6, 1958, pp 501-503.

ATS 509-GJ

The Titanium-Magnesium Systems, by I. Obinata, et al.

GERMAN, per, Metall, Vol XIII, No 5, 1959, pp 392-397.

ATS 508-GJ

Stress Corrosion Cracking and Microstructure in X8 Cr-Mn-Mo-V-Cb 16/13 Austenitic Chrome-Nickel Steel, by E. Baerlecken, K. Lorenz.

GERMAN, per, Mitt ver Grosskesselbesitzer, No 54, 1958, pp 215-219.

ATS 498-GJ

Determination of Small Boron Contents in Steel, by A. J. Leeb, F. Hecht.

GERMAN, per, Radex Rundschau, No 1, 1960, pp 62-66.

\*BISI 1828

Calculation of the Reheating Process of Steel Ingots and Comparison With the Results As Measured, by R. Wartmann,

GERMAN, per, Stahl und Eisen, 14 May 1959, pp 703-711.

BISI 1439

Scientific  
Minerals/Metals (Contd)

Measuring the Roughness of Cold-Worked Surfaces, by W. Lueg, U. Krause.  
GERMAN, per, Stahl und Eisen, 17 Mar 1960, pp 325-337.

BISI 1684

Internal Stresses in Quenched Steels, by H. Morchers, A. Safferling.  
GERMAN, per, Stahl und Eisen, 14 Apr 1960, pp 541-546.

\*BISI 1822

Electron Microscopy of Thin Metal Sections Cut With a Diamond Knife, by L. Reimer.  
GERMAN, per, Z. Metallkunde, Vol L, No 1, 1959, pp 37-41.

ATS 474-GJ

The Cold-Rolled and Recrystallization Texture of Hafnium, by H. Muller.  
GERMAN, per, Z. Metallkunde, Vol L, No 6, 1959, pp 346-350.

ATS 511-GJ

Thermodynamics and Kinetics of Sintering, by Herbert J. Oel.  
GERMAN, per, Z. Metallkunde, Vol LI, No 1, 1960, pp 53-58.

\*AEC

Study on the Hot-Ductility of Steels. I. Study on the Hot Torsion Test, by T. Morishima.  
JAPANESE, per, Tetsu to Hagane, May 1958, pp 552-559.

BISI 1631

The Wetting of Refractory Compounds With Liquid Metals, by Valentin Nikiforovich Yermenko, Yuriy Vladimirovich Naydich, 110 pp.  
UKRAINTIAN, bk, Zmochuvannya Ridkymy Metalamy Poverkhen' Tugoplavkoyh Spoluk, 1955, 60 pp.

JPRS 5006

Scientific  
Nuclear Physics

Numerical Methods of Designing Nuclear Reactors,  
by G. I. Marchuk, 43 pp.  
RUSSIAN, bk, Chislennyye Metody Rascheta Yadernykh  
Reaktorov, 1958, pp 279-317

ATTC F-TS-9927/V

Isotopes, Radiation Sources and Radioactive  
Materials, (Catalog), by V. M. Grablevskiy, et al.  
RUSSIAN, bk, Izotopy, Istochniki Izlucheniya i  
Radioaktivnye Materialy (Katalog), Moscow, 1959,  
269 pp.

\*AEC

Concentration of Artificial Radioactive Isotopes  
of Elements of IV and V Groups by the Method of  
Recoil Atoms, by A. N. Murin, V. D. Nefedov.  
RUSSIAN, bk, Primenenie Mechnykh Atomov v  
Analiticheskoi Khimii Akademii Nauk SSSR  
Institut Geokhimi i Analiticheskoi Khimii  
Imeni, 1955, pp 75-78.

\*AEC

The Industrial Production of Heavy Water, by  
M. P. Malkov.  
RUSSIAN, per, Atom Energiya, Vol VII, No 2, 1959,  
pp 101-109.

Heavy 2591/  
ONI 733

The Influence of Space Charge on the Motion of  
Particles in Accelerators, by V. I. Kotov, V. A.  
Pushtarik, 8 pp.  
RUSSIAN, per, Atom Energiya, Vol VII, 1959,  
pp 268-272.

AEC Tr-4091

The New Rules for Transporting Radioactive  
Materials, by A. Shtan', N. Leshchinskii.  
RUSSIAN, per, Atom Energiya, Vol VII, 1959,  
p 399.

\*AEC

Catalysed Oxidation of U(IV) in Acid Media Contain-  
ing Iron Compounds, by V. I. Spitsyn, et al.  
RUSSIAN, per, Atom Energiya, Vol VIII, No 3,  
1960, pp 261, 262.

\*AEC

The Effect of  $\gamma$ -Rays on the Electrode  
Behavior of Lithium Glass, by N. A. Fedotov,  
RUSSIAN, per, Atom Energiya, Vol VIII, No 3,  
1960, pp 262-264.

\*AEC

Scientific  
Nuclear Physics (Contd.)

Metrology Applied to Radioactivity in the USSR, by K. K. Aglintsev, et al.  
RUSSIAN, per, Atom Energiya, Vol VIII, No 4, 1960, pp 354-359.

\*AEC

First All-Union Conference on Nucleic Acids and Nucleoproteins, by V. S. Tongur, P. I. Tseytlin, 23 pp.  
RUSSIAN, per, Bysokomolekulyarnyye Soyedineniya, No 5, 1960, pp 817-822.

JPRS 5387

Study of the Burning Rate of Some Potential Solid Fuels for Rockets and Missiles, 3 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 2, 1960, pp 364-366.

AID SIR-3419

Radiation Genetics, by M. A. Arsen'eva, M. L. Belgovskiy, N. L. Delone, O. N. Petrova, V. V. Khvostova, N. I. Shapiro, 83 pp.  
RUSSIAN, per, Itogi Nauki: Biol Nauki Ak Nauk SSSR, No 1, 1957, pp 329-379.

AEC Tr-3998

Characteristics of Corona Counters for Slow Neutrons, by A. I. Dokuchayev.  
RUSSIAN, per, Pribery Tekh Eksper, No 6, 1959, pp 41-45.

\*AEC

Development of Nuclear Research in the Chinese People's Republic, by Ch'ien San-ch'iang, 6 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1960.

JPRS 3601

Soviet Comments on "Argus" Explosions, 4 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 1, 1960, pp 302-304.

AID SIR-3342

Separation Factors of Boron Isotopes in the Equilibrium Vaporization of Boron Trifluoride, by N. N. Sevryugova, O. V. Uvarov, N. M. Zhavoronkov, 10 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 5, 1960, pp 1004-1008.

JPRS 5289

Scientific  
Nuclear Physics (Contd)

Radioactive Wastes: Part 4. Methods of Handling, by W. Eveleens.

DUTCH, per, Atoomenergie, Vol II, No 3, 1960, pp 36-43.

\*ABC

Temperature Measurement in French Atomic Piles, by J. Neill, A. Rastoix.

FRENCH, CEA Report No 51, 1950.

\*ABC

A Comparative Study of the Allotropic Transformations of Uranium and Iron and Their Structural Consequences, by P. Lehr, 78 pp. FRENCH, rpt CEA-800.

ABC AERE Tr-846

The Storage of Radioactive Wastes in Arid Areas, by L. von Erichsen, 15 pp.

GERMAN, per, Atomkernenergie, Vol IV, 1959, pp 112-115.

ABC NP Tr-421

Planning and Preliminary Research for the Karlsruhe Relativistic Isochronous Cyclotron, by K. Steimel, A. Lerbs, 16 pp.

GERMAN, per, Atomwirtschaft, Vol IV, 1959, pp 345-348.

ABC Tr-4094

Fission Neutrons and Capture Neutrons, by G. Wien, 7 pp.

GERMAN, per, Atompraxis, Vol III, 1957, pp 258, 259.

ABC NP Tr-440

Production of Heavy Hydrogen in a Large-Scale Rectification Plant, by W. Lehmer, A. Sellmaier, W. Baldus, 31 pp.

GERMAN, per, Linde Ber Tech und Wiss, Vol V, 1959, pp 3-14.

ABC NP Tr-417

The Effect of the Decay of Radioactive Phosphorus on Mutation of Genes When Incorporated Into the Cells of *Echerichia Coli*, by F. Kaudewitz, W. Vielmetter, H. Friedrich-Freksa, 13 pp.

GERMAN, per, Z fuer Naturforschung, Vol XIII B, 1958, pp 793-802.

ABC Tr-4110

Scientific  
Nuclear Physics (Contd)

Methods of Control and of Decontamination of  
Aerosols and Radioactive Gas, by A. Facchini,  
M. Mandelli Bettoni.

ITALIAN, per, Energia Elettrica, Vol XXVII,  
No 1, 1960, pp 52-65.

\*AEC

On the Diffusion Welding of Uranium and  
Zircaloy-2, by G. Perona, C. Corsetti,  
E. Brutto, A. Bassi.

ITALIAN, per, Energia Nucleare, Vol VII,  
1960, pp 111-120.

\*AEC

On the Mechanism of Fluidisation of Solid-Gas  
Systems, by S. Bracale, A. Cabella, 16 pp.

ITALIAN, per, Ricerca Sci, Vol XXVII, 1957,  
pp 1448-1455.

AEC NP Tr-432

The Effects of Irradiation of the Living  
Matter Constituting Man, 9 pp.

ITALIAN, per, Rivista Aeronautica.

AF 1411346

The Characteristics of Fluidised Particles.  
IV. Particle Distribution in Fluidised Beds,  
by T. Omae, J. Furukawa, 24 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,  
1953, pp 727-731.

AEC NP Tr-438

Properties of Cold Drawn Uranium Rods, (II).  
Some Characteristics of Thermal Cycling Growth  
of As-Worked Specimens, by K. Soeno.

JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi,  
Vol II, No 5, 1960, pp 260-265.

\*AEC

Latvian Atomic Reactor, by S. Lazda, (DC-4245).  
LATVIAN, per, Zvaigzne, No 11, 1960.

\*JPRS

Estimation of the Temperature Increase of Thermal  
Neutrons in the Fuel Elements of Heterogeneous  
Reactors, by Albert Muller, 12 pp.

POLISH, per, Nukleonik, Vol I, 1959, pp 172-174.

AEC NP Tr-428



Scientific  
Nuclear Physics (Contd)

Measurement of Low X and B<sup>-</sup> Activities in  
Water, by Kiefer Dannecker, Maushart.  
POLISH, per, Nukleonik, Vol I, No 8, 1959,  
pp 319-324.

\*ABC

The Absolute Standardization of Radioactive  
Isotopes Which Decay by Electron Capture, by  
D. H. Vincent.  
POLISH, per, Nukleonik, Vol I, No 9, 1959,  
pp 332-336.

\*AEC

Radioactive Sewage and Wastes, Their Character-  
istics and Disposal Methods, by J. Horski,  
Z. Smal, 15 pp.  
POLISH, per, Przemysl Chemiczny, Vol XXXVIII,  
No 12, 1959, pp 739-742.

ACSI H-6387  
ID 2144869

**Scientific  
Physics**

Functions of the Organism in Conditions of  
the Alternating Gas Medium, 248 pp.  
RUSSIAN, bk, Funktsii Organizma v Usloviyakh  
Izmenennoy Gazovoy Sredy, II, Moscow, 1958,  
155 pp.

ATIC MCL-202/V

Selected Articles From Russian Book  
"Issledovaniya v Oblasti Dozimetrii  
Ioniziruyushchikh Izlucheni", 1957.

Method of Absolute Measurement of Activity  
of Beta-Radiation Sources With the Aid of  
End-Window Counters, by I. B. Keirim-Markus,  
M. A. L'vova, pp 1-97.

AEC Tr-3656

Absolute Measurements of Beta Activity by  
the Method of Small Ionization Chambers,  
by I. A. Antonova, pp 98-112.

AEC Tr-3656

Use of Scintillators in Dosimetry, by I. M.  
Rozman, K. G. Tsimmer, pp 113-123.

AEC Tr-3656

Luminescent Isodosograph, by I. M. Rozman,  
K. G. Tsimmer, pp 124-135.

AEC Tr-3656

Experimental Data on the Luminescence  
Method of Dosimetry of Gamma Radiation,  
by I. E. Konstantinov, pp 136-141.

AEC Tr-3656

Indicating Pocket Gamma-Dosimeters, by M. I.  
Amiragova, V. Ye. Busygin, Yu. M. Shtukken-  
berg, pp 142-153.

AEC Tr-3656

Pocket Gamma Radiation Dosimeter, by M. Ardenne,  
G. Yeger, B. Roggenbuk, G. Froylikh, pp 154-  
156.

AEC Tr-3656

Apparatus for Individual Dosimetric Checking,  
by A. A. Pavlov, I. M. Rozman, K. G. Tsimmer,  
pp 157-163.

AEC Tr-3656

Scientific  
Physics (Contd)

Selected Articles From Russian Book  
"Issledovaniya v Oblasti Dozimetrii  
Ioniziruyushchikh Izlucheni", 1957.

Pocket Type Gamma Indicator, by F. K.  
Levochkin, pp 164, 165.

AEC Tr-3656

Improved Method for Individual Photo-  
control of Gamma Damage (IPK-II), by  
N. S. Nikitin, V. V. Frolov, pp 166-181.

AEC Tr-3656

An Electrofilter for Determining the  
Concentrations of Active Aerosols, by  
Yu. M. Shtukkenberg, K. S. Kalugin,  
A. I. Bobkov, pp 182-208.

AEC Tr-3656

Measurement of Small Concentration of  
Alpha-Active Substances in Water With the  
Aid of a Diffusion Cloud Chamber, by V. I.  
Popov, pp 209-219.

AEC Tr-3656

Spark Counter for Control of Contamination  
of Surfaces by Alpha-Active Substances, by  
E. A. Andreyeshchev, B. M. Isayev, I. F.  
Mel'nikov, pp 220-224.

AEC Tr-3656

Gamma Spectrum Indicator, by I. A. Antonova,  
I. V. Estulin, pp 225-239.

AEC Tr-3656

Automatic Circuit for the Measurement of  
Weak Currents, by I. A. Antonova, I. N.  
Senchuro, pp 240-245.

AEC Tr-3656

Principles of Calculations of Maximum  
Permissible Levels of External Beams of  
Ionizing Radiation, by N. G. Gusev,  
pp 246-263.

AEC Tr-3656

Investigation of the Structure of Metals by  
Radioactive Isotope Methods, by S. E. Bokshtein,  
C. T. Kishkin, L. M. Moroz.  
RUSSIAN, bk, Issledovanie Stroeniya Metallov  
Metodom Radioaktivnykh Izotopov, Moscow, 1959,  
218 pp.

\*AEC

Scientific  
Physics (Contd)

Effect of Oxygen in the Action of Ionizing Radiations, by G. E. Lur'e, E. S. Shchepot'yeva, S. N. Ardashnikov, T. B. Rakhmanova.  
RUSSIAN, bk, Kislородnyi Effekt pri Deistvii Ioniziruyushchikh Izlucheni, Moscow, Medgiz, 1959.

\*AEC

Magnetic Emission of High Temperature Plasma, by B. A. Trubnikov, 158 pp.  
RUSSIAN, bk, Magnitnoye Izluchenie Vysokotemperaturnoi Plasmy, 1958.

AEC Tr-4073

On Neutron Deficient Isotopes of Light Nuclei and the Occurrence of Proton and Two-Proton Radioactivity, by V. I. Gol'danskiy.  
RUSSIAN, bk, O Neitronodefitsitnykh Izotopakh Rader i Iavleniyakh Protonnoi i Dvuprotonnoi Radioaktivnosti, Moscow, 1960.

\*AEC

Loss of Beam on the Radial Peripheral of a Phasotron, by V. P. Dimitrievskiy, B. I. Samolodchikov, V. V. Kol'ga.  
RUSSIAN, bk, O Potere Puchka na Predel'nom radiuse v Fazotrone, 5 pp.

\*AEC

Principles of Optical Crystallography, by A. V. Shubnikov, 186 pp.  
RUSSIAN, bk, Osnovy Opticheskoy Kristallografiy, USSR Acad of Sci, 1958.

CB

Floating Gyroscopes and Their Applications, by G. A. Slon'yanskiy, Yu. N. Pryadilov, 332 pp.  
RUSSIAN, bk, Poplavkovye Giroskopy i Ikh Primeneniye, 1958, 244 pp.

ATIC F-TS-9910/V

Problems of Dynamic Theory in Statistical Physics, by N. N. Bogolyubov, 115 pp.  
RUSSIAN, bk, Problemy Dinamicheskoi Teorii v Statisticheskoi Fiziki, Moscow/Leningrad, 1946.

AEC Tr-3852

Scientific  
Physics (Contd)

Heat Transfer in the Boiling of Water in  
Conditions of Forced Circulation, by E. K.  
Averin, G. N. Kruzhilin, 35 pp.

RUSSIAN, bk, Teploperedacha i Teplovos  
Modelirovanie, 1959, pp 239-271.

ABC AERE Tr-847

The Thermophysical Properties of Certain  
Metals and Alloys in the Melted State, by  
N. A. Nikol'skiy, N. A. Kalabrtakaya, et al.  
RUSSIAN, bk, Voprosy Teploobmena, 1957,  
pp 11-45.

\*ATIC MCL-714/1

On the Reliability of Contact-Relay Networks,  
by K. P. Kurdiukov.  
RUSSIAN, per, Avtom i Telemekh, Vol XXI, No 4,  
1960, pp 533-541.

Internatl Phys Index  
Vol II, No 9

The Optimal Process in a Second-Order Pulse-  
Relay System, by V. N. Novosel'tev.  
RUSSIAN, per, Avtom i Telemekh, Vol XXI,  
No 5, 1960, pp 569-574.

Internatl Phys Index  
Vol II, No 10

Tenth All-Union Conference on Nuclear  
Spectroscopy, by O. Kraft, 8 pp.  
RUSSIAN, per, Atom Energiya, Vol VIII, No 4,  
1960, pp 378-380.

JPRS 3154

Organic Glasses ST-1 and 2-55, by L. Kasyuk,  
K. I. Trusova, Ye. S. Osikina, 9 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 64-68.

ATIC MCL-516/III

The Effect of Oxygen on the EPR Spectrum of  
Lyophilized Substances, by Morozov, Blumen-  
feld.  
RUSSIAN, per, Biofizika, Vol V, 1960, pp 235-  
238.

\*ABC

Electron Spin Resonance Spectra Observed on the  
Illumination of Plant Leaves and Chlorophyll  
Solutions, by Bubnov, A. A. Krasnovskiy, A. V.  
Umrikhina, B. F. Tsapolov, V. Ya. Shliapintokh.  
RUSSIAN, per, Biofizika, Vol VI, 1960, pp 121-  
126.

\*ABC

Scientific  
Physics (Contd)

Solution of Canchy Problem for Nonlinear Equation With Discontinuous Initial Data by a Method of Terminal Differences, by N. D. Vvedenskaya.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI, No 3, 1956, pp 517-520.

\*AEC

The Transfer of Dispersed Particles by a Gas Flow During the Combustion of Gunpowders, by N. N. Bakhman.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 4, 1959, pp 824-826.

\*ATTC MCL-707/1

Concerning the Stationary Theory of the Heat Balance of the Condensed Phase of Gunpowders and Explosive Materials, by B. I. Plyukhin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959, pp 1096-1099.

\*ATTC MCL-706/1

On Stable and Unstable Trajectories in Proportional Navigation, by V. L. Kan, A. S. Kel'zon.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 6, 1960, pp 1220-1223.

Interntl Phys Index  
Vol II, No 9

On the Possible Anomalous Magnetic Properties of Macromolecules, by V. L. Ginzburg, V. M. Fair.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960, pp 785-788.

Interntl Phys Index  
Phys Express  
Vol II, No 10

The Diffraction of Sound at a Periodically Uneven and Nonuniform Surface, by I. A. Urusovskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960, pp 801-804.

Interntl Phys Index  
Vol II, No 9

The Use of Thermionic Emission for the Direct Conversion of Heat Energy to Electrical Energy, by N. E. Morgulis, A. G. Naumovets.  
RUSSIAN, per, Fiz Tverdogo Tela, Vol II, No 3, 1960, pp 536-542.

Interntl Phys Index  
Vol II, No 9

Scientific  
Physics (Contd)

Determination of Sodium Vapor Pressure at  
Temperatures 880 to 1300°C, by P. L. Kirillov,  
N. S. Grachev.  
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol II,  
No 5, 1959, pp 3-7.

Navy 2597/  
NRL 805

Concerning the Problem of the Pulsation of  
Diffusion Flames, by V. I. Blinov.  
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol II,  
No 8, Minsk, 1959, pp 15-22.

\*Dept of  
Interior

Investigation of Heat Exchange in Boiling  
Homogeneous Reactor, by Ya. Malak, I. Schmid,  
16 pp.  
RUSSIAN, per, Inzhenerno-Fiz Zhur, Ak Nauk  
Belorus SSR, Vol II, No 9, 1959, pp 12-23.

AEC Tr-4048

Shock Waves in Thickening Viscous-Plastic  
Medium, by V. N. Kukudzhanov. (DC-4230).  
RUSSIAN, per, Iz Ak Nauk Armyan SSR, Vol XI,  
No 6, 1958, pp 61-71.

\*JPRS

Measurement of the Energy of Fast Ions in a  
Powerful Pulsed Discharge, by B. G. Brezhnev,  
8 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Energet i Avtomat, No 2, 1960, pp 54-  
58.

JPRS 3571

Ionization in Laminar Flames, by N. N.  
Inozemtsev, 13 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Energet i Avtomat, No 2, 1960, pp 59-  
66.

JPRS 3572

An Approach to the Theory of Errors in Space  
Navigation, by V. A. Bodner, V. P. Seleznev,  
15 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Energet i Avtomat, No 2, 1960, pp 73-82.

JPRS 3573

Scientific  
Physics (Contd)

On the Quantitative Estimate of the Operational Reliability of Computer Systems, by O. N. Radimov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk  
Energet i Avtomat No 2, Jan-Feb 1960, pp 173-176.

Interntl Phys Index  
Vol II, No 10

On the Theory of Unperturbed Systems With Three Channels for the Automatic Compensation of Gravity Accelerations Corrected by External Information, by V. A. Bodner, V. P. Seleznev, (DC-4316).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 3, 1960, pp 84-95.

\*JPRS

The Effect of the Flight Speed of an Aircraft on Inertial Navigation System Errors, by V. M. Snchepkina, (DC-4316).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 3, 1960, pp 96-105.

\*JPRS

Loss of Limited Damping in Inertial Systems Operating as an Indicator During Phugoid Flight, by G. O. Fridlender, (DC-4316).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 3, 1960, pp 106-110.

\*JPRS

Dynamics of a Gyroscope With Two Degrees of Freedom, by M. Z. Litvin-Sedoy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 5, 1959, pp 72-78.

ARS Journal  
Vol XXX, No 7

On Controlling the Angular Motion of a Body With the Aid of Rotors, by M. A. Litvin-Sedoy, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 2, 1960, pp 135-138.

JPRS 5304



Scientific  
Physics (Contd)

Prospects of Using Radioactive Isotopes and Nuclear Radiation in Metallurgy and Other Technical Sciences, by A. M. Samarin, M. S. Fomichev, 10 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Toplivo, No 6, 1959, pp 121-126.

JPRS 3607

Optical and Photo-Electrical Properties of Antimony-Caesium Cathodes, by N. D. Morgulis.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XII, No 2, 1948, pp 126-143.

DEIR LLJ  
RTS 1504

Nature of the Visible Absorption Band in Metal Solutions in Ammonia, by V. I. Danilova.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XIV, 1950, pp 512-515.

\*AEC

Optical Properties of Local Electronic Centers in Solid and Liquid Ionic Dielectrics, by M. F. Deigen.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XVIII, 1954, pp 716, 717.

\*AEC

A Nuclear Generator of X-Rays for Fluorescent Special Analysis, by K. I. Narbutt, R. L. Barinskiy.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV, 1960, pp 354-361.

\*AEC

Determination of Particle Sizes in Dust Aerosols, by A. S. Burchakov, (NY-4792).  
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Gornyy Zhurn, No 10, 1959, pp 55-62.

\*JPRS

Errors of a Single-Degree-of-Freedom Integrating Gyro Due to Angular Oscillations of Its Base, by S. S. Arutyunov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Prib, No 2, 1959, pp 56-58.

ARS Journal  
Vol XXX, No 7

Scientific  
Physics (Contd)

Condensation Shocks in Supersonic Nozzles,  
by A. A. Stepchikov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Aviatsionnaya Tekh, No 3, 1959, pp 119-129.

ARS Journal  
Vol XXX, No 7

The Physical Nature of the Lubricating Action  
of Boundary Layers, by A. I. Epifanov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Fiz, No 3, 1959, pp 3-11.

\*AEC

Investigation of Relaxation and Recrystallization  
in Refractory Carbides of Titanium and Tungsten,  
by S. S. Gorelik, E. I. Mozzhukhin, Z. Maier,  
15 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Met  
No 2, 1958, pp 153-160.

AEC AERE Tr-852

Effect of Radioactive Radiation on the Physical  
and Mechanical Properties of Wood, by A. S.  
Freidin.

RUSSIAN, per, Lesnaya Prom, Vol VII, No 9,  
1958, pp 13-15.

DSIR LLU M. 1381

On the Absorption of Ultraviolet Radiation  
Behind a Shock Wave in Air, by S. A. Losev,  
N. A. Generalov, L. B. Terebenina.

RUSSIAN, per, Optika i Spektroskopia, Vol VIII,  
No 4, 1960, pp 569-571.

Interntl Phys Index  
Phys Express  
Vol II, No 10

On Two Classes of Plane Extremal Movements  
of a Rocket in Space, by Yu. A. Gorelov.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIV,  
No 2, 1960, pp 303-308.

Interntl Phys Index  
Vol II, No 10

On the Theory of Pulsed Servosystems, by  
Ya. N. Roytenberg.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIV,  
No 2, 1960, pp 309-315.

Interntl Phys Index  
Vol II, No 10

On the Binocular Color Structure (Mixture),  
by N. N. Livshits.

RUSSIAN, per, Problemy Fiziol Optiki, Ak  
Nauk SSSR, Vol I, 1941, pp 99-106.

Navy 2610/  
ONI 756

Scientific  
Physics (Contd)

Determination of the Volumetric Weight of  
Ores by the Attenuation of Gamma Rays, by  
A. A. Tatarnikov.

RUSSIAN, per, Razvedka i Okhrana Nedr,  
Vol XXIII, No 4, 1957, pp 17-23.

\*AEC

Transition in the Limit Under the Signs of  
Information and Entropy, by R. L. Dobrushin.  
RUSSIAN, per, Teoriya Veroyat, i Prim, Vol V,  
No 1, 1960, pp 29-37.

Internatl Phys Index  
Vol II, No 9

Magnetic Properties of Metal-NH<sub>3</sub> Solutions  
and the Equilibrium Concentration of Local  
Centers in the Dielectrics, by M. F. Deigen.  
RUSSIAN, per, Trudy Inst Fiz Ak Nauk Ukr SSSR,  
Vol V, 1954, pp 105-118.

\*AEC

The Theory of the Optical Properties and of  
the Electrical Conductivity of Metal-Ammonia  
Solutions, by M. F. Deigen.  
RUSSIAN, per, Trudy Inst Fiz Ak Nauk Ukr SSSR,  
Vol V, 1954, pp 119-136.

\*AEC

Inspection of Structure and Mechanical  
Properties of Steel Products by Magnetic  
Analysis, by M. N. Mikheyev, 9 pp.  
RUSSIAN, per, Trudy Inst Fiz Metal Ak Nauk  
SSSR, Ural Filial, No 20, 1958, pp 163-168.

AEC Tr-4080

Mechanical Properties and Recrystallization  
Diagram of Iodide Zirconium, by E. M.  
Savitskiy, V. F. Terekhova, 14 pp.  
RUSSIAN, per, Trudy Inst Met imeni A. A.  
Baikova, No 3, 1958, pp 181-190.

AEC Tr-4093

Explosive Conversion of Methane: Report 1,  
by N. I. Kobozev, et al.  
RUSSIAN, per, Trudy Vses Soveshchaniya po  
Kompleksnoy Khim Pererabotke Nefty Gazov,  
1956, pp 133-141.

DSIR LLJ  
RTS 1480

Scientific  
Physics (Contd)

Explosive Conversion of Methane: Report 2,  
by Ya. S. Kazarnovskiy, et al.

RUSSIAN, per, Trudy Vses Soveshchaniya po  
Kompleksnoy Khim Pererabotke Nefty, Gazov,  
1956, pp 142-152.

DSIR LLU  
RTS 1481

The Photo Effect in Metals, by A. V. Sokolov,  
A. Z. Veksler.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LVI, No 4,  
1955, pp 477-530.

\*AEC

Physical Investigations of Gases by Means of  
Shock Waves, by R. I. Soloukhin, 26 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXVIII,  
No 3, 1959, pp 513-528.

JPRS 5021

Vith All-Union Conference on Low-Temperature  
Physics, by R. Chentsov, (NY-4785).

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXVI,  
No 2, 1960, pp 339-347.

\*JPRS

Some Problems of the Theory of Quasilinear  
Equations, by I. M. Gel'fand, 129 pp.

RUSSIAN, per, Uspekh Matemat Nauk, Vol XIV,  
No 2, 1959, pp 87-158.

JPRS 5093

Long-Range Communication Using Wave-Guides,  
by Yu. I. Kaznacheyev.

RUSSIAN, per, Vest Ak Nauk SSSR, No 2, 1960,  
pp 67-73.

Internatl Phys Index  
Vol II, No 9

Investigation of the Problem Concerning  
Penetration of Pressure in the Depth of a  
Compressible Fluid, by A. G. Bagdoyev,  
(NY-4763).

RUSSIAN, per, Vest Moskov U, Ser Mat,  
Mekh, Astron, Fiz, Khim, No 3, 1957, pp 23-  
29.

\*JPRS

Graphic Electron Study of the Structure of  
the Molecules of Gaseous Halides of the  
Alkali Metals, by P. A. Akishin, N. G.  
Rambidi, 17 pp.

RUSSIAN, per, Vest Moskov U, Ser Mat, Mekh,  
Astron, Fiz, Khim, No 6, 1958, pp 223-230.

AEC Tr-4096

Scientific  
Physics (Contd)

A Method of Measuring the Properties of Wires  
Subject to Torsion in the Elastic-Plastic Range,  
by I. B. Kalachev, et al.  
RUSSIAN, per, Zavod Lab, No 11, 1959, pp 1368,  
1369.

\*ABC

Evaluation of the Liability of Brittle Fracture  
From the Appearance of Fracture Surfaces, by  
E. M. Shevandin.  
RUSSIAN, per, Zavod Lab, No 12, 1959, pp 1497-  
1502.

\*ABC

Evaluation of Rupture Occurring as a Result  
of Torsion Cycles, by A. F. Fasova, et al.  
RUSSIAN, per, Zavod Lab, No 12, 1959, pp 1504-  
1506.

\*ABC

Methods of Measuring the Crushing Point of a  
Refractory, by S. N. Myshkin.  
RUSSIAN, per, Zavod Lab, No 12, 1959, pp 1510,  
1511.

\*ABC

Displacement of the Curie Point With Pressure,  
by O. I. Leypunskiy, (SF-1053).  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol VIII,  
No 8/9, 1938, pp 1026-1030.

\*JPRS

Application of Propagation Theory of an  
Arbitrary Explosion to Certain Cases of Gas  
Ignition, by Ya. B. Zel'dovich, K. I.  
Shchelkin, (NY-4822).  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol X,  
No 5, 1940, pp 569-575.

\*JPRS

Theory of Nuclear Disintegration, by Ya. B.  
Zel'dovich, Yu. A. Zysin, (NY-4822).  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol X,  
No 8, 1940, pp 831-834.

\*JPRS

The Kinetics of Formation of Two-phase Systems  
Near the Critical Point, by Ya. B. Zel'dovich,  
O. M. Todes, (NY 4822).  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol X,  
No 12, 1940, pp 1441-1445.

\*JPRS

Scientific  
Physics (Contd)

Kinetics of Topochemical Reactions. I.  
Propagation of a Reaction From a Flat  
Surface, by O. M. Todes, R. I. Bogunskiy,  
(SF-1046).

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XI, No 1, 1941, pp 133-139.

\*JPRS

Autolocalization of the Electron in an  
Inertially Polarizable Dielectric Medium,  
by S. I. Pekar.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVI,  
1946, pp 335-340.

\*AEC

Theory of the Absorption Spectra of Solutions  
of Metals in Ammonia, by A. S. Davydov.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XVIII, 1948, pp 913-916.

\*AEC

The Number of Droplets Formed by Condensation  
and the Time of Their Formation, by R. B.  
Segal.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXI, No 7, 1951, pp 814-820.

Navy 2600/  
NRL 809

Mechanism of the Predetonation Acceleration  
of a Flam (Remarks on A. S. Sokolik's Article),  
by Ya. B. Zel'dovich, (SF-1044).

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXI, No 10, 1951, pp 1172-1175.

\*JPRS

Theory of Magnetic Properties of Metal-  
Ammonia Solutions, by M. F. Deigen.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXVI, 1954, pp 293-299.

\*AEC

Optical Properties and Electrical Conductivity  
of Metal-Ammonia Solutions, by M. F. Deigen.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI,  
1954, pp 300-306.

\*AEC

Scientific  
Physics (Contd)

Concerning the Reflection of Electro-  
magnetic Waves From Moving Surfaces, by  
V. I. Kurilko, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX,  
No 5, 1960, pp 504-507.

JPRS 5117

Investigation of the Possibility of Using a  
Nonhomogeneous Magnetic Field for the Formation  
of High-Density Electron Beams, by Yu. V.  
Troitskiy, 21 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 5,  
1960, pp 512-521.

JPRS 5118

On the Activities of the Academy of Sciences  
BSSR During the Years 1957-1959, by F. P.  
Vinokurov, 31 pp.

BELORUSSIAN, per, Vestsi Ak Navuk BSSR, Ser  
Fiz-Tekh Navuk, No 1, 1960, pp 5-26.

JPRS 3819

On the Prospective Plan of Development of  
Scientific Research in the Academy of Sciences  
BSSR for the Years 1960-1975, 4 pp.

BELORUSSIAN, per, Vestsi Ak Navuk BSSR, Ser  
Fiz-Tekh Navuk, No 1, 1960, pp 145-147.

JPRS 3818

Physical Research in Communist China in the  
Past Ten Years, by Wang Chu-ch'i, Wang Shou-wu,  
Wu Yu-hsuan, et al, 13 pp.

CHINESE, per, K'o-hsueh T'ung-pao, Vol XVIII,  
1959, pp 568-571.

JPRS 5001

Communist China's First Book on Semiconductors,  
by Li Chih-hsien, 4 pp.

CHINESE, per, Wu-li T'ung-pao, No 4, Peiping,  
1960, pp 192, 193.

JPRS 5241

On the Character of the Hysteresis of the  
Demagnetizing Factor, by V. Hajko, J. Daniel-  
Szabo.

CZECH, per, Czechoslovakian Journal of Physics,  
Vol VIII, 1958, pp 685-688.

BISI 1815

Scientific  
Physics (Contd)

Direct Observation of Metallic Surfaces by  
Reflection, by C. Fert.

FRENCH, rpt, Electron Microscopy: Proceedings  
of Stockholm Conference, Sep 1956, pp 8-12.

\*BISI 1802

Measurements of Electromotive Forces in  
Liquid Ammonia, by G. I. Costeanu.

FRENCH, per, Comptes Rendus, Vol CXCIV,  
1932, pp 778-779.

\*AEC

The Number of Limit Cycles Arising in the  
Case of Variation of Coefficients for an  
Equilibrium State of the Focus or Center  
Type, by N. Bautin, 6 pp.

FRENCH, per, Comptes Rendus Acad Sci URSS,  
Vol XXIV, 1939, pp 669-672.

AEC UCRL  
Tr-498(L)

Coupling Factors and Electromechanical  
Efficiency of Piezoelectric Materials, by  
Yves Le Corre.

FRENCH, per, Jour Phys. Radium, Vol XVIII,  
1957.

Navy 2596/  
URSL 9

Effect of Temperature on Photomultipliers and  
Liquid Scintillators, by G. Laustriat, A. Coche,  
9 pp.

FRENCH, per, J Phys Radium, Vol XIX, 1958,  
pp 927-929.

AEC NP Tr-441

A New Gravimetric Method for the Estimation  
of Tin, Precipitation as Stannic Selenite,  
by R. G. De Carvalho.

FRENCH, per, Revista de Quimica pura e  
Aplicada, Vol I, No 1, 1950, pp 24-41.

\*AEC

Photoelectron Emission, by N. O. Yeyek, S. M.  
Fainshtein, T. M. Lifshitz.

GERMAN, bk, Electron Accelerators, Chap 1,  
2d Ed, 1957, pp 17-62.

\*AEC

Application of Radioactive Isotope.

GERMAN, bk, Die Verwendung Radioaktiver  
Isotope, 7 pp.

\*AEC



Scientific  
Physics (Contd)

Ignition Voltage of Gas Discharges Under the Influence of a Transverse Magnetic Field in the Pressure Range of  $10^{-10}$  --  $10^{-8}$  mm Hg, by R. Haefner, 28 pp.

GERMAN, per, Acta Physica Austriaca, Vol I, No 7, 1953, pp 52-90. 9070369

ACSIL 1072

The Electrode Potential of Sodium and Potassium in Liquid Ammonia, by V. A. Fleskov, A. M. Monoszon.

GERMAN, per, Acta Physicochim URSS, Vol II, 1935, pp 615-620.

\*AEC

Electrode Potentials in Water and Liquid Ammonia, by V. A. Fleskov, A. M. Monoszon. GERMAN, per, Acta Physicochim URSS, Vol II, 1935, pp 621-632.

\*AEC

Photoelectric Properties of Solutions of Sodium in Liquid Ammonia, by J. Hasing. GERMAN, per, Ann Physik, Vol XXXVII, 1940, pp 509-533.

\*AEC

Theory of Solutions of Alkali Metals in Liquid Ammonia, by W. Bingel. GERMAN, per, Ann Physik, Vol XII, 1953, pp 57-83.

\*AEC

Theory of Solutions of Alkali Metals in Liquid Ammonia: Errata, by W. Bingel. GERMAN, per, Ann Physik, Vol XII, 1953, p 424.

\*AEC

Directions of Zero Strain in the Unstressed State in X-Ray Stress Measurement, by F. Binder, E. Macherauch.

GERMAN, per, Archiv Eisenhüttenwesen, Sep 1955, pp 541-545.

\*BISI 1820

Inquiry Into Heat Resistance of Salmonella Senftenberg, S. Thompson and S. Typhimurium in Dried Whole Egg, by W. Schmidt-Lorenz. GERMAN, per, Archiv fuer Lebensmittelhygiene, Vol X, No 4. 1959.

\*AEC

Scientific  
Physics (Contd)

The Absolute Measurement of Radioactive Source Strengths by Means of a New Form of the Coincidence Method, by K. P. Meyer, P. Schmid, P. Huber, 26 pp.  
GERMAN, per, Helv Phys Acta, Vol XXXII, 1959, pp 423-424.

AEC AECL-978

The Fermi Surface of Aluminum, by B. Luthi.  
GERMAN, per, Helvetica Physica Acta, Vol XXXII, No 6/7, 1959, pp 470-473.

Navy 2601/  
NRL 810

Current Developments in Ultrasonic Treatment of Solid-Bodies Surfaces, by Hans Joachim Gollmick.  
GERMAN, per, Das Industrieblatt, Vol LIX, 1959, pp 200-204.

\*AEC

Influence of the Surface Boundary Layer on the Frictional Behaviour of Austenitic Materials in Cold-Forming in the Deep-Drawing Process, by H. Wiegand, K. H. Kloos.  
GERMAN, per, Metalloberfläche, Aug 1959, pp 229-233.

BISI 1573

The Fluorescence Efficiency of Sodium Salicylate in the U-V and X-Ray Region, by Ernst Krokowski, 5 pp.  
GERMAN, per, Naturwissenschaften, Vol XLV, 1958, pp 509, 510.

AEC NP Tr-420

Theory of Photoelectric Emission, by P. Gorlich, H. Hora.  
GERMAN, per, Optik, Vol XV, No 2, 3, 1958, pp 116-123.

\*AEC

Infrared Night Apparatus, by K. J. Sander, 12 pp.  
GERMAN, per, Soldat und Technik, No 10, 1959, pp 503-506.

ACSI H-6770  
ID 2146513

Scientific  
Physics (Contd)

Radioactive Marking Technique in the Investigation of Metallurgical Phenomena in Steelworks, by G. H. Propstl. GERMAN, per, Stahl und Eisen, 23 Jun 1960, pp 863-877.

\*BISI 1827

A Contribution to the Investigation of Pressure Losses in Pneumatic Handling Systems, by H. W. Hahnemann. GERMAN, per, Verein Deutscher Ingenieure Z, 1 Feb 1960, pp 131, 132.

BISI 1790

Magnetic Particle Inspection and the Most Recent Methods of Indication, by H. J. Marschall. GERMAN, per, Werkstatt und Betrieb, Nov 1958, pp 649-653.

BISI 1567

Electrical Resistivity Measurements on Sodium-Ammonia Solutions at Low Temperatures, by M. Nabauer. GERMAN, per, Z Angew Phys, Vol I, 1949, pp 423-428.

\*AEC

The Reproduction of Voltage Impulses by Means of A Proportional Amplifier, by U. Cappeller, 42 pp. GERMAN, per, Z Angew Phys, Vol IV, 1952, pp 330-345.

AEC M-6613

State of Photoelectric Research, by Von Werner Kluge. GERMAN, per, Z Angew Phys, Vol VII, No 6, 1955, pp 302-311.

\*AEC

Theory of Interference Modulation for Two-Beam Interference, by L. Genzel, R. Weber, 21 pp. GERMAN, per, Z Angew Phys, Vol X, No 5, 1957, pp 127-135.

Amer Meteorol Soc  
AF Cambridge Res Center

Scientific  
Physics (Contd)

Spectroscopy in the Far Infra-Red Through Interference Modulation, by L. Genzel, R. Weber, 12 pp.  
GERMAN, per, Z AngewPhys, Vol X, No 4, 1958, pp 195-199.

Amer Meteorol Soc  
AF Cambridge Res  
Center

Theory of the Resonance Raman Effect, by J. Behringer.  
GERMAN, per, Z Elektrochem, Vol LXII, No 8, 1958, pp 906-914.

ATS 430-GJ

A Contribution to the Solution of the Problem of Chromite Flotation, by H. J. Morawietz.  
GERMAN, per, Z. Erzbergbau und Metallhutenw, Vol XII, No 7, pp 309-321, No 8, 1959, pp 388-393.

ATS 492-GJ

The Separation Tube. XIX. For the Enrichment of the Br<sup>79</sup> and Br<sup>81</sup> Isotopes, by Klaus Clusius, Hans-Ulrich Hostettler, 36 pp.  
GERMAN, per, Z fuer Naturforschung, Vol XIIa, 1957, pp 974-982.

AEC Tr-4078

The Direct Effects of X-Rays on Proteins, Pephides, and Amino Acids, I. Study of Proteins: Irradiation of Lysozyme, by Antonio Caputo, Klaus Dose.  
GERMAN, per, Z fuer Naturforschung, Vol XIIb, 1957, pp 172-180.

\*AEC

The Direct Effects of X-Rays on Proteins, Pephides,, and Amino Acids. II. Study of Peptides and Amino Acids, by Boris Rajewsky, Klaus Dose.  
GERMAN, per, Z fuer Naturforschung, Vol XIIb, 1957, pp 384-393.

\*AEC

Interaction of Neutral Atoms and Nonpolar Binding According to Quantum Mechanics, by W. Heitler, F. London.  
GERMAN, per, Z fuer Physik, Vol XLIV, No 6/7, 1927, pp 455-472.

\*AEC

Scientific  
Physics (Contd)

Column Ionization in Gases at Elevated Pressures, by G. Jaffe, 17 pp.

GERMAN, per, Z fuer Physik, Vol XXX, 1929, pp 349-356.

AEC NP Tr-437

On the Energy Loss of High-Energy Electrons in Thin Layers, by O. Blunck, K. Westphal.

GERMAN, per, Z fuer Physik, Vol CXXX, 1951, pp 641-649.

\*AEC

The Nuclear Absorption Cross-Section for Gamma Rays Between 10 and 30 Mev, by B. Ziegler, 12 pp.

GERMAN, per, Z fuer Physik, Vol CLII, 1958, pp 566-573.

AEC AERE Tr-839

X-Ray Study of Dislocations in Germanium, by V. Gerold, F. Meier.

GERMAN, per, Z fuer Physik, Vol CLV, 1959, pp 387-394.

ATS 479-FJ

Recombinations and "Minus" Continuous Spectrum of the Oxygen Atom, by G. Boldt.

GERMAN, per, Z fuer Physik, Vol CLIV, 1959, pp 319-329.

\*AEC

Vapor Pressure of Solid and Liquid Benzophenone Between 0 and 48°C, by C. M. Volmer, P. Kirchhoff.

GERMAN, per, Z Physik Chem, Vol CXV, 1925, pp 233-238.

ATS 459-GJ

Contribution to the Knowledge of Manganese Oxides, by M. LeBlanc, G. Wehner.

GERMAN, per, Z Physik Chem, Vol CLXVIII, (A) 1933, pp 59-78.

\*AEC

Determination of the Excess Oxygen Content of the Cuprous Oxide Phase, by C. Wagner, H. Hammen.

GERMAN, per, Z. fuer Physik Chem, Vol CXLB, No 3, 1938, pp 197-206.

ATS 522-GJ

Scientific  
Physics (Contd)

Studies on the Kinetics of Scaling of Titanium in Water Vapor by Application of a Novel Volumetric Method, by K. Lohberg, H. W. Schleicher.  
GERMAN, per, Z. Physik Chem, Vol XV, 1958, pp 223-244.

ATS 507-GJ

Contributions to the UV Spectrography of the C5N Chromophore, by J. Schurz.  
GERMAN, per, Z. Physik Chem, Vol XXI, No 3-4, 1959, pp 185-191.

ATS 434-GJ

Heat Transmission in Baffled and Unbaffled Fluidised Solid-Gas Systems, by L. Massimilla, S. Bracale, A. Cabella, 42 pp.  
ITALIAN, per, Ricerca Sci, Vol XXVII, 1957, pp 1853-1864.

AEC NP Tr-431

Isolation of Zirconium and Niobium From Fission Products by Solvent Extraction With Dilute TBP, by T. Ishimori, et al.  
JAPANESE, per, Journal of Atomic Energy Society, Vol I, No 5, 1959, pp 299-303.

\*AEC

The Equilibrium Configuration of a Magnetic Field, by H. Hamada.  
JAPANESE, per, Kakuyugo Kenkyu, Vol I, 1958, pp 542-563.

\*AEC

The Characteristics of Fluidised Particles. V. Methods of Controlling the Distribution of Particles and Bulk Density in Fluidised Beds, by T. Omae, J. Furukawa, 15 pp.  
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI, 1953, pp 824-826.

AEC NP Tr-444

Separation of Isotope Mixture of Nozzle Process, by H. Mikami, Y. Gyama.  
JAPANESE, per, Nihon-Genshiryoku-Gakkai Shi, Vol II, No 5, 1960, pp 291-295.

\*AEC

Scientific  
Physics (Contd)

Dynamic Programming.

JAPANESE, per, Tetsudo Gijutsu Kenkyujo,  
Jan 1960, p 32.

USACRAPAC, PD  
Tr No 101815-C

Radiolytic Reduction of Aqueous Sodium  
Nitrate Solutions Saturated With Hydrogen,  
by V. A. Sharpatyi, V. D. Orekhov.  
POLISH, per, Nukleonik, Vol IV, 1960,  
pp 487-489.

\*AEC

Polarised Light in Metallography. Application  
of Austenite Grain Size, by F. Munoz del  
Corral.

SPANISH, per, Inst Hierro Acero, Oct/Dec,  
Madrid, 1954, pp 464-467.

BISI 1531

Direct Observation of Metal Surfaces by  
Reflection, by C. Fert.

SWEDISH, rpt, Electron Microscopy: Proceed-  
ings of Stockholm Conference, Sep 1956,  
pp 8-12.

BISI 1802

Theory of Electronic Processes in Metal  
Ammonia Solutions, by M. F. Deigen, Yu. A.  
Tsvirko.

UKRAINIAN, per, Ukrain Fiz Zhur, Vol I,  
1956, pp 245-259.

\*AEC

Application of the Operational Method to  
Certain Problems of Thin Cylindrical Shells,  
3 pp.

UKRAINIAN, per, Ukrain Matemat Zhur, Vol XII,  
No 1, 1960, pp 55-71.

AID SIR-3420

Scientific  
Space Research

The Future of Astronomy in Aviation, by N. A. Kondrat'yev, 52 pp.  
RUSSIAN, bk, Astronomiya v Aviatsii, No 2, 1959, pp 180-213.

JPRS 5236

Physical Librations of the Moon, by Sh. T. Khabibullin, (NY-4726).  
RUSSIAN, bk, Fizicheskaya Libratsiya Luny, No 9, 1958, pp 3-182.

\*JPRS

Living Conditions of Artificial Satellites of the Earth, by P. I. Isakov, 11 pp.  
RUSSIAN, monograph, Iskusstvenn'yye Sputniki Zemli, Chap IV, 1959, pp 44-59.

AF 1419642

Relief Map of the Edge Zone of the Moon on a General Zero Reference Level, by A. A. Nefed'yev, (NY-4812).  
RUSSIAN, bk, Karty Rel'yefa Krayevoy Zony Luny na Obshchem Nulevom Urovne, 1958, pp 1-148.

\*JPRS

The Rocket - Means of Space Flight, by V. I. Levantovskiy, (NY-4749).  
RUSSIAN, bk, Raketoy k Lune, 1960, pp 13-30.

\*JPRS

Soviet Sputniks and Cosmic Rockets, by S. G. Aleksandrov, R. Ye. Fedorov, 251 pp.  
RUSSIAN, bk, Sovetskiye Sputniki i Kosmicheskaya Raketa, Moscow, 1959, pp 232 pp.

ATIC MCL-418/V

The Connection Between Optical and Radio Emissions of the Solar Corona, by M. N. Gnevyshev, (NY-4786).  
RUSSIAN, per, Astron Zhur, Vol XXXVII, No 2, 1960, pp 227-235.

\*JPRS

Some Comments on the Radiation of Light by Shock Waves in Cosmic Conditions, by S. A. Kaplan, (NY-4786).  
RUSSIAN, per, Astron Zhur, Vol XXXVII, No 2, 1960, pp 281-296.

\*JPRS

Some Results of Studies of Contrasts on Mars, by N. P. Barabashov, (NY-4786).  
RUSSIAN, per, Astron Zhur, Vol XXXVII, No 2, 1960, pp 301-305.

\*JPRS



Scientific  
Space Research (Contd)

A Mobile Chart for Calculating an Optical "Fence",  
by Ye. Z. Gindin, 35 pp.

RUSSIAN, per, Byull Stantsiy Opticheskogo  
Nablyudeniya Iskusstvennykh Sputnikov Zemli,  
No 8, 1959, pp 1-3.

JPRS 5146

A Flight to the Stars, by V. A. Bronshten,  
I. D. Novikov.

RUSSIAN, per, Nauka i Zhizn, No 4, 1960, pp 58-  
64.

\*ATIC MCL-700/III

Under the Banners of Many Countries, by V. A.  
Troits'ka, 7 pp.

RUSSIAN, per, Nauka i Zhizn, No 5, 1960,  
pp 21-25.

IGC

OTS PB-131632-126

Man Conquers the Cosmos, by I. Shevlyakov,  
3 pp.

RUSSIAN, np, Pravda, 16 May 1960, p 4.

IGC

OTS PB-131632-124

Spaceship -- High Above the Horizon, 4 pp.

RUSSIAN, np, Pravda, 17 May 1960, p 4.

IGC

OTS PB-131632-124

Science Fiction and Reality: Manned Space  
Flights, by Kh. Koshtoyants, 4 pp.

RUSSIAN, per, Pravda, 19-21 May 1960.

AF 1419613

The Rocket of the Future, by V. Cherendni-  
chenko, 6 pp.

RUSSIAN, np, Pravda Ukrainy, Vol XXII, No 114,  
(5226), 17 May 1959, p 3.

ATIC MCL-220/III

What an Astronaut Will See and Meet at  
Velocities Close to Light, by S. M. Rytov,  
20 pp.

RUSSIAN, per, Priroda, No 4, 1960, pp 64-70.

JPRS 5340

The First Astronaut, 3 pp.

RUSSIAN, np, Sovet Aviatsiya, 18 Oct 1959,  
p 3.

AF 1419539

Investigations of Cosmic Rays and Terrestrial  
Corpuscular Radiation During the Flights of  
Rockets and Satellites, by S. N. Vernov,  
A. Ye. Chudakov, 3 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 4,  
1960, pp 585-619.

IGC

OTS PB-131632-126

Scientific

Space Research (Contd)

Lunar Probes With Rocket Devices, 26 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 11,  
1959, pp 3-22.

AF 1419540

Geophysical Investigations With the Aid of  
Rockets and Artificial Satellites, by A. A.  
Blagonravov, M. G. Kroshkin.  
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXX,  
No 7, 1960, pp 7-20.

\*NASA

Formulas for Calculation of Perturbations in  
Elliptical and Hyperbolic Motions, by A. A.  
Orlov, (DC-4343).  
RUSSIAN, per, Vest Moskov U, Ser III, Fiz  
Astron, No 2, 1960, pp 51-58.

\*JPRS

Man in Space Flight, by G. I. Kositskiy, 8 pp.  
RUSSIAN, per, Zdorov'ye, No 10, 1959, pp 4-6.

AF 1419621

Miscellaneous

Information on the USSR, 600 pp.  
RUSSIAN, encyclopedia, Bolshaya Entsiklopedia,  
Vol. L (50).

Pergamon Press

Institutes of Postgraduate Medical Training  
(IPMT), by E. Barkman, 5 pp.  
RUSSIAN, encyclopedia, Bol'shaya Meditsin-  
skaya Entsiklopediya, Vol. 11, 1959, pp 533-  
537.

JPRS 3666

Fourth Session of the Carpatho-Balkan  
Association, 6 pp.  
RUSSIAN, bk, Geologicheskii Sbornik L'vovskogo  
Geologicheskogo Obshchestva, No 5/6, 1958,  
pp 607-611.

JPRS 3666

Cybernetics of the Present and Future, by  
Yu. I. Sokolovskiy, 127 pp.  
RUSSIAN, bk, Kibernetika Nastoyashchego i  
Budushchego, 1959, 191 pp.

JPRS 3750

Selected Articles From "Voprosy Statistiki  
Rech", 1953.

Significance of Statistical Investigations  
of Speech for Engineering, by L. A. Varshav-  
skiy, (3901-D/37) pp 5-11.

\*JPRS

Power Characteristics and the Correlation  
Interval of Stochastic Signals, Especially  
Speech Signals, by M. A. Zheleznev, (3901-  
D/37) pp 12-25.

\*JPRS

Application of Statistical Methods to  
Identification of Phonetic Membership  
of Individual Vowel Sound, by L. A.  
Chistovich, (3901-D/37) pp 26-35.

\*JPRS

Statistics of Time Distribution of Parts  
of Characteristic Phonation of Russian  
Vowel Sounds, by M. F. Derkach, (3901-  
D/37) pp 36-39.

\*JPRS

Scientific  
Miscellaneous (Contd)

Selected Articles From "Voprosy Statistiki  
Rech," 1958.

Statistics of Perception of Voiceless,  
Stop and Fricative Consonants Depend-  
ing on Duration, by M. F. Derkach,  
(3901-D/37) pp 40-44. \*JPRS

Linguistic Probability, by L. R. Zinder,  
(3901-D/37) pp 58-61 \*JPRS

Probabilistic Determination of Linguistic  
Time, by V. V. Ivanov, (3901-D/37)  
pp 62-72. \*JPRS

Application of Statistical Methods in  
Experimental Phonetic and Psychological  
Study of Speech, by V. A. Artemov,  
(3901-D/37) pp 73-84. \*JPRS

Certain Questions of Statistical Investi-  
gations of Lexical Groups, by R. G.  
Piotrovskiy, (3901-D/37) pp 85-92. \*JPRS

Russian Frequency Dictionary Based on  
Materials of Mathematical Texts, by Z. M.  
Volotskaya, I. N. Shelimova, A. L. Shumilina,  
I. A. Mel'chuk, T. N. Moloshnaya, (3901-  
D/37) pp 93-99. \*JPRS

Statistical Investigation of Syllable  
Structure, by Ye. V. Paducheva, (3901-  
D/37) pp 100-111. \*JPRS

Statistics and Dependence of the Gender of  
French Nouns on the Endings, by I. A. Mel'chuk,  
(3901-D/37) pp 112-130. \*JPRS

The Structure of the Vietnamese Verb Syntagma.  
(3901-D/37) pp 131-148. \*JPRS

Scientific  
Miscellaneous (Contd)

In the Scientific Research Institute of  
Production Technology and Organization,  
6 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 2,  
1958, pp 102, 103.

ATIC MCL-515/III

At the Production Technology and Organization  
Scientific Research Institute, by O. V.

Meshkova, 7 pp.

RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 111-113.

ATIC MCL-516/III

On the Theory of Word Subclasses, by A. A.  
Kholodovich, (DC-3901/31).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII,  
No 5, 1960, pp 32-43.

\*JPRS

The Problem of Government in the Russian  
Language, by S. Nurkhanov, (DC-3901/31).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII,  
No 5, 1960, pp 85-91.

\*JPRS

Activities of the USSR Academy of Sciences  
in 1959, 4 pp.

RUSSIAN, np, Izvestiya, 25 Feb 1960, p 2.

AF 1419576

Report on the General Meeting of the Academy  
of Sciences Latvian SSR, by K. K. Plaude,  
32 pp.

RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR,  
No 3 (152), 1960, pp 11-20.

JPRS 5164

General Meeting of the Academy of Sciences,  
Latvian SSR - 11 February 1960, by Ya. Magone,  
16 pp.

RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 3,  
(152), 1960, pp 21-25.

JPRS 5164

Resolutions of the General Meeting of the  
Academy of Sciences Latvian SSR, 13 pp.

RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR,  
No 3, (152), 1960, pp 26-30.

JPRS 5164

Scientific  
Miscellaneous (Contd)

Theoretical Problems of Linguistics, (DC-3901/23).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Lit i Yazyka, No 3, 1959, pp 209-216.

\*JPRS

Remarks on "Introduction" to "Theoretical Problems of Linguistics," by Arn. Chikobava, (DC-3901/30).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Lit i Yazyka, No 1, 1960, pp 63-71.

\*JPRS

On the Problematic Report "Theoretical Problems of Linguistics," by S. K. Shaumyan, (DC-3901/30).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Lit i Yazyka, No 1, 1960, pp 1-74.

\*JPRS

Concerning Work on the Structural Analysis of Language [Decree of the Bureau of the Department of Literature and Language of 7-8 July 1959 (Protocol No 16)], (DC-3901/30).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Lit i Yazyka, No 1, 1960, pp 74-77.

\*JPRS

Quasi-Topological Method of Letter Recognition, by V. A. Garmash, V. S. Pereverzev-Orlov, V. M. Tsirlin, (3901-D/34).

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 3, 1960, pp 180-182.

\*JPRS

Soviet-Chinese Scientific Investigations of the Amur Basin, by N. N. Nekrasov, V. A. Shelest, 14 pp.

RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk SSSR, No 10, 1959, pp 5-14.

JPRS 2994

Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, 41 pp.

RUSSIAN, per, Knizhnaya Letopis', No 33-36, 1959.

JPRS 5136

Scientific  
Miscellaneous (Contd)

Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, 27 pp.

RUSSIAN, per, Knizhnaya Letopis', No 50-52, 1959.

JPRS 5196

Problems of Applied Linguistics in the Seven-Year Plan for Development of the National Economy of the USSR, 4 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, 1959, pp 3-5.

JPRS 3599

Operator Description of Translation Algorithms, by O. S. Kulagina, 11 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 6-22.

JPRS 3599

Some Procedural Problems in Compiling Frequency Dictionaries, by R. M. Frumkina, 13 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 23-37.

JPRS 3599

Determining Aspect of the Russian Verb From Context, by T. M. Nikolayeva, 4 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 38-44.

JPRS 3599

Processing Prefixed in Machine Analysis of the Georgian Language, by A. P. Marchvelani, L. R. Tamarashvili, G. B. Chikeidzo, 6 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 45-53.

JPRS 3599

Word-Forming Suffixes of the Armenian Language in Mathematical Literature, by M. Meokumyan, 4 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 54-58.

JPRS 3599

Gabor M. "Nemzetkozi Forditokulcs," Budapest, 1957, 2d Edition, by I. A. Mel'chuk, 7 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 59-69.

JPRS 3599

Scientific  
Miscellaneous (Contd)

Bibliography of Articles on Machine Translation and Related Disciplines, 1957-1958, 6 pp.

RUSSIAN, per, Mashinnyy Perevod i Prikladnaya Lingvistika, No 2(9), 1959, pp 77-84.

JPRS 3599

Candidates for the Academy of Medical Sciences of the USSR, 10 pp.

RUSSIAN, np, Med Rabot, 5 Jan 1960, p 4.

JPRS 3782

Announcement From the Committee on Lenin Prizes, Council of Ministers USSR, Concerning Competitors For Lenin Prizes in the Fields of Science and Engineering, 6 pp.

RUSSIAN, np, Pravda, 1960, p 3.

JPRS 3602

USSR Academy of Sciences Assigns Names to Landmarks on Invisible Side of Moon, 4 pp.

RUSSIAN, np, Pravda, 19 Mar 1960, p 3.

AF 1419556

Technical Progress and Science in the USSR, 11 pp.

RUSSIAN, per, Priroda, Vol XLVIII, No 8, 1959, pp 3-10.

JPRS 3638

Some Problems in the Theory of Coding, by K. A. Meshkovskiy, 10 pp.

RUSSIAN, per, Problemy Peredachi Informatsii, No 2, 1959, pp 57-64.

JPRS 3598

Method of Using Punch Card Machines for Statistical Analysis of Communications, by V. A. Garmash, 12 pp.

RUSSIAN, per, Problemy Peredachi Informatsii, No 2, 1959, pp 65-72.

JPRS 3598

Device for Recording Images on Punched Tape, by D. S. Lebedev, 8 pp.

RUSSIAN, per, Problemy Peredachi Informatsii, No 2, 1959, pp 73-77.

JPRS 3598

Statistical Analysis of Three-Letter Combinations in Russian Text, by D. S. Lebedev, V. A. Garmash, 5 pp.

RUSSIAN, per, Problemy Peredachi Informatsii, No 2, 1959, pp 78-80.

JPRS 3598



Scientific  
Miscellaneous (Contd)

Scientific Conference of the GTSOLIFK imeni I. V. Stalin, by F. I. Samoukov, (NY-4710).

RUSSIAN, per, Teoriya i Praktika Fizicheskoy Kul'tury, Vol XIII, No 4, 1960, pp 311-314.

\*JPRS

Science, Technological Progress, and Labor in the USSR, by V. Nemchenko, 14 pp.

RUSSIAN, per, V Pomoshch' Politicheskomy Samoobrazovaniyu, Vol III, No 4, 1959, pp 75-86.

JPRS 3631

Scientific Session Dedicated to the 50th Anniversary of V. I. Lenin's Book "Materialism and Empirio-Criticism," by G. A. Yugay, 4 pp.  
RUSSIAN, per Vest Ak Nauk Kazakh SSR, No 6, 1959, pp 96-98.

JPRS 3643

The All-Union Congress of the Geographical Society, by S. Abdrakhmanov, A. V. Chigarkin, 3 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1960.

JPRS 5228

General Annual Conference of the Academy of Sciences, Kazakh SSR (27 Apr 1960), Introductory Remarks of the President of the Academy of Sciences Kazakh SSR, by K. I. Saptayev, (NY-4818).

RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 5, 1960, pp 7-11.

\*JPRS

Results of the Scientific Activity of the Academy of Sciences Kazakh SSR During 1959 and Current Problems, by Sh. Ch. Chokin, (NY-4818).

RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 5, 1960, pp 12-23.

\*JPRS

General Meetings of the Departments of the Academy of Sciences, 40 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 5, 1960, pp 32-61.

JPRS 3704

Scientific  
Miscellaneous (Contd)

On the Development of Structural and  
Mathematical Methods of Language Research,  
(3901-D/36).  
RUSSIAN, per, Vest Ak Nauk SSSR, No 7, 1960,  
p 88.

\*JPRS

Session of the Academy of Sciences BSSR.  
The Projected Plan for the Development of  
Biological Research at the Academy of  
Sciences BSSR, 9 pp.  
RUSSIAN, per, Vestsi Ak Navuk BSSR, Ser  
Biyal Navuk, No 1, 1960, pp 143, 144.

JPRS 5291

Results of Vaskhnil's Work and Problems of  
Scientific Establishments on the Realization  
of Resolutions of the December Plenum of the  
Central Committee of the Communist Party of  
the Soviet Union, by P. P. Lobanov.  
RUSSIAN, per, Vest Sel'skokhoz Nauk, No 5,  
1960, pp 3-21.

\*UEDA

On the Nature of the Language Signs, by  
A. G. Volkov, I. A. Khabarov, (3901-D/38).  
RUSSIAN, per, Voprosy Filosofii, No 11,  
1959, pp 79-90.

\*JPRS

Some Problems in Cybernetics, by A. I. Berg,  
(DC-4284).  
RUSSIAN, per, Voprosy Filosofii, No 5,  
1960, pp 51-62.

\*JPRS

Wherein Lies the Difference Between Systems  
of Signs, by G. V. Kolshanskiy, (3901-D/38).  
RUSSIAN, per, Voprosy Filosofii, No 5,  
1960, pp 126-134.

\*JPRS

V. I. Lenin and Natural Science, by S. L.  
Sobolev, (NY-4784).  
RUSSIAN, per, Voprosy Filosofii, No 7, 1960,  
pp 15-23.

\*JPRS

Scientific  
Miscellaneous (Contd)

Science and Society in the Century of  
the Atom, by N. N. Semenov, (NY 4784).  
RUSSIAN, per, Voprosy Filosofii, No 7,  
1960, pp 24-33.

\*JPRS

The Cultural-Technical Growth of the Working  
Class of the USSR, by M. T. Yovchuk, (NY-  
4784).  
RUSSIAN, per, Voprosy Filosofii, No 7, 1960,  
pp 34-49.

\*JPRS

The Possibilities of Cybernetics in the  
Resolution of Legal Problems, by N. D.  
Andreyev, D. A. Kerimov, (NY 4784).  
RUSSIAN, per, Voprosy Filosofii, No 7,  
1960, pp 106-110.

\*JPRS

The Specificity of Biological Metabolism, by  
V. A. Engel'gardt, (NY-4784).  
RUSSIAN, per, Voprosy Filosofii, No 7,  
1960, pp 113-123.

\*JPRS

On the Nature of the Meaning of the  
Language Sign, by T. P. Lomtev, (3901-  
D/38).  
RUSSIAN, per, Voprosy Filosofii, No 7,  
1960, pp 127-134.

\*JPRS

Conference on Speech Statistics, by V. A.  
Uspenskiy, (3901-D/36).  
RUSSIAN, per, Voprosy Yazykoznaniya, No 1,  
1958, pp 170-173.

\*JPRS

On Linguistic Probability, by L. R. Zinder,  
(3901-D/36).  
RUSSIAN, per, Voprosy Yazykoznaniya, No 2,  
1958, pp 121-125.

\*JPRS

Symposium on Problems of Speech Intelligibility,  
by L. R. Zinder, (3901-D/36).  
RUSSIAN, per, Voprosy Yazykoznaniya, No 5,  
1958, pp 151-152.

\*JPRS

Scientific  
Miscellaneous (Contd)

The Long-Term Plan of Soviet Linguistic Research During the Next Few Years, 10 pp.  
RUSSIAN, per, Voprosy Yazykoznaniya, No 2, 1960, pp 3-10.

JPRS 3629

Various Types of Homonyms and Methods of Distinguishing Them in Machine Translation, by S. S. Belokrinitskaya, A. A. Zvonov, M. B. Yefimov, 6 pp.  
RUSSIAN, per, Voprosy Yazykoznaniya, No 2, 1960, pp 97-101.

JPRS 3629

The Establishment of Derivative Relations Between Words (An Experiment in Transformation Analysis), by Z. M. Volotskaya, (DC-3901/30).  
RUSSIAN, per, Voprosy Yazykoznaniya, No 3, 1960, pp 100-107.

\*JPRS

N. I. Zhinkin Defends Doctoral Dissertation on Speech Mechanisms, by O. S. Akhmanova, (DC-3901/30).  
RUSSIAN, per, Voprosy Yazykoznaniya, No 3, 1960, pp 142-145.

\*JPRS

Symposium on Method of Spectral Analysis of Speech, by I. I. Revzin, (DC-3901/30).  
RUSSIAN, per, Voprosy Yazykoznaniya, No 3, 1960, pp 146-149.

\*JPRS

New Roll of Honored Doctors in the Belorussian SSR, 4 pp.  
RUSSIAN, per, Zdravookhraniye Belorussii, Vol VI, No 4, 1960, pp 75, 76.

JPRS 5283

Bulgarian Dissertations, 4 pp.  
BULGARIAN, per, Bulgarski Knigopis, Vol LXIV, No 1, 1960, pp 37-39.

JPRS 3776

Ministerial Council Order Number 816 of 22 May 1960 on the Establishment of Regulations for Scientific Institutes Under the Departments, 10 pp.  
BULGARIAN, per, Izvestiya, Vol XVI, No 49, Sofia, 17 Jun 1960, pp 1-3.

JPRS 3697

Scientific  
Miscellaneous (Contd)

Development of Technical Sciences in China  
During the Past Decade, by Yen Chi-tz'u,  
19 pp.  
CHINESE, per, K'o-hsueh T'ung-pao, No 18,  
26 Sep 1959, Peiping, pp 607-612.

JPRS 5105

Symbolic Language and Its Application  
in Machine Translation, by N. D. Andreyev,  
(DC-3901/D-24).  
CHINESE, per, Yu-yen-hsueh I-ts'ung, No 2(3),  
1959, pp 32-38.

\*JPRS

Czechoslovak Academy of Science Dissertations,  
8 pp.  
CZECH, per, Ceskoslovenske Akademie Ved,  
Vol LVIII, No 2, 1959, pp 282-286.

JPRS 3775

Hungarian Investigations in Cybernetics, by  
Rezsó Tarjan, 20 pp.  
HUNGARIAN, per, Magyar Tudomány, No 3, 1960,  
Budapest, pp 135-151.

JPRS 3619

Scientific Sessions and Conferences of the  
Academy of Sciences Latvian SSR in 1959,  
by J. Magone, 6 pp.  
LATVIAN, per, Iz Ak Nauk Latvyskoy SSR, No 2,  
1960, Riga, pp 203-206.

JPRS 3733

Scientific Achievements in the Fifteen Years  
of People's Poland, by T. Kotarbinski, 14 pp.  
POLISH, per, Nauka Polska, Vol VIII, No 1(29),  
1960, pp 1-13.

JPRS 3790

The Position of the Sciences in the System  
of Organization of Scientific Research in  
Poland, by H. Jablonski, 29 pp.  
POLISH, per, Nauka Polska, Vol VIII, No 1(29),  
1960, pp 19-52.

JPRS 3790

General Meeting of the Members of the Polish  
Academy of Sciences, 44 pp.  
POLISH, per, Nauka Polska, Vol VIII, No 1(29),  
1960, pp 165-216.

JPRS 3790

Scientific  
Miscellaneous (Contd)

New Members of the Polish Academy of Sciences, 6 pp.

POLISH, per, Nauka Polska, Vol VIII, No 1(29), 1960, pp 217-224.

JPRS 3790

The Composition of the Polish Academy of Science, 6 pp.

POLISH, per, Nauka Polska, Vol VIII, No 1(29), 1960, pp 247-255.

JPRS 3790

List of Scientific Positions, Committees and Commissions of the Polish Academy of Sciences, 70 pp.

POLISH, per, Nauka Polska, Vol VIII, No 1(29), 1960, pp 257-325.

JPRS 3790

List of Scientific Societies Supported by the Polish Academy of Sciences, 18 pp.

POLISH, per, Nauka Polska, Vol VIII, No 1(29), 1960, pp 326-343.

JPRS 3790

Department of the Polish Academy of Sciences in Krakow, 4 pp.

POLISH, per, Nauka Polska, Vol VIII, No 1(29), 1960, pp 344-348.

JPRS 3790

In the Presidium of the Academy of Sciences of the Ukrainian SSR, 9 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrains'koi RSR, No 2, Kiev, 1960, pp 232-234.

JPRS 5256

# AUTHOR INDEX

## - A -

Abanin, D. D.	230
Abdeyev, M. A.	169
Abdrakhmanov, S.	273
Abdullayev, D. M.	199
Abramov, V. A.	1
Abrihan, Teodor	50
Acharkan, V.	10
Achmadi	74
Adamec, Jan	31
Adamskie, N. M.	126
Ado, A. D.	213
Adonin, A. N.	167
Adrian, J.	54
Affeldt, H.	138
Ageyev, P. Ya.	124
Aglintsev, K. K.	238
Agoshkov, M. I.	6, 147
Aguet, E.	173
Akhmanova, O. S.	276
Akimov, Yu. I.	208
Akishin, P. A.	252
Aksenov, F. V.	105
Albert, M. A.	166
Aleksandrov, S. G.	264
Aleksandrov, V. Ya.	212
Alekseyev, S.	12
Alenchikova, I. F.	131
Aleshin, A. M.	200
Alexe, E.	47
Alishev, N. V.	200
Aliyev, T. A.	199
Almassy, G.	153
Al'pern, L. L.	220
Al'shits, I.	167
Altareva, N. D.	196
Amineva, T. P.	182
Amiragova, M. I.	242
Andrei, Andrei	47
Andreyeshchev, E. A.	243
Andreyev, N. D.	275, 277
Andreyev, O. S.	202
Andreyev, S. V.	114
Andreyev, V. I.	13
Andreyeva, M. P.	214

Andreyuk, Ye. I.	227
Andrianova, I. G.	216
Andrussov, L.	135
Andryanov, N. I.	159
Anoshkin, N. F.	161
Antonov, I. A.	149
Antonova, I. A.	242, 243
Antonova, L. A.	182
Antsiferov, M. I.	196
Antyunkin, A. G.	4
Apel, Erich	35
Apin, A. Ya.	121
Ardashnikov, S. N.	244
Ardashnikova, S. D.	183
Ardenne, M.	242
Aresev, K. M.	168
Arin', E. I.	193
Arkad'yev, A. G.	232
Arsen'eva, M. A.	238
Artemov, V. A.	268
Arutyunov, S. S.	249
Asakawa, Kenji	74
Ashin, G.	19
Astaf'yeva, A. K.	211
Astapovich, I. S.	107
Atanasiu, C.	48
At'tovskiy, R. M.	130
Auzerman, M. A.	163
Averin, E. K.	245
Averkov, S. I.	148
Avneri, Uri	61
Avrukh, M. L.	157
Ayzenberg, G. Z.	146
Ayzenshtok, V. L.	8

## - B -

Babayants, R. A.	214
Babeshkin, A. M.	125
Babikova, Yu. F.	232
Babiyevskiy, K. K.	123
Babos, Geyza	37
Badeyev, N.	20
Baerlecken, E.	235

Bagdasarov, A. A.	206	Belova, V. I.	123
Bagdoyev, A. G.	252	Belozerskiy, A. N.	109
Bagramyan, G. A.	180	Bel'tsev, D. I.	218
Bahr, A.	135	Belyayev, L.	10
Bainyetova, F. K.	123	Belyustina, L. N.	149
Bakakina, A. A.	230	Bencherif, Rene	171
Bakhman, N. N.	246	Beregovski, I. I.	51
Bakulev, A. N.	214	Berezhnoy, A. S.	125
Bakumenko, M. S.	210	Berezin, Yu. V.	191
Baldus, W.	239	Berg, A. I.	4, 150 274
Balikhina, G. S.	232		
Bamberg-Friedenau, Carl	175	Bernshteyn, M. S.	25
Banu, S.	50	Bernstein, A.	173
Barabashov, N. P.	264	Beshchev, Boris Pavlovich	3
Baranov, P. A.	110	Bespalov, D. P.	188
Barat, Eugen	47	Bespalov, V. I.	148
Baratov, G. F.	195	Bessonov, S. V.	6
Bardashev, S. P.	160	Bettoni, M. Mandelli	240
Barin, W.	136	Beus, A. A.	228
Barinov, A.	7	Beyevska, V. A.	125
Barinov, I. P.	230	Bezborod'ko, M. D.	166
Barinskiy, R. L.	249	Beznosova, Zh. A.	207
Barkman, E.	267	Bibikova, A. F.	221
Baron,	228	Bibikova, T.	10
Baron, A.	153	Bibilashvili, N. Sh.	181
Barskiy, G. A.	129	Biermann, L.	103
Barsukov, O. M.	181	Bilyk, H. I.	118
Bartha, Lahos	117	Binder, F.	257
Baryla, K.	117	Binenfeld, Z.	117, 226
Barziy, V. K.	228	Bingel, W.	257
Baskut, Cevat, F.	60	Birnbaum, H.	174
Bassalyk, D. A.	220	Biro, Gyorgy	54
Bassi, A.	240	Bischof, F.	139
Baturo, V. A.	127	Blagonravov, A. A.	266
Bautin, N.	256	Blagoveshchenskiy, A. V.	109
Bayteryakov, R. Kh.	159	Blanchin, L.	133
Bazant, V.	131	Blinov, V. I.	247
Bazhant, V.	122	Blumenfeld	245
Bazhenov, I. I.	175	Blumcke, A.	139
Bedishchev, A.	10	Blunck, O.	261
Behringer, J.	142, 260	Bobkov, A. I.	243
Belay, Jozsef	38	Bobolev, V. K.	120, 121
Belevskaya, O. P.	162	Bock, F.	139
Belgovskiy, M. L.	238	Bode, A.	139
Belinskiy, N. A.	183	Bodner, V. A.	247, 248
Belokrinit'skaya, S. S.	276	Bogdanova, A. K.	183
Belov, I.	22		



Bogolyubov, N. N.	194, 244
Bogomolov, O.	15
Bogomolova, L. G.	216
Bogovskiy, P. A.	202
Bogoyavlenskaya, N. V.	112
Bogoyavlenskaya, R. A.	115
Bogunskiy, R. I.	254
Boguslavskiy, N. M.	166
Boguszevska, M.	225
Bokshtein, S. E.	243
Bokshtein, S. Z.	233
Boldt, G.	261
Borchers, H.	236
Borisenko, N. I.	4
Borkov, N. V.	230
Bormotov, V. Ye.	115
Bornscheuer, W.	171
Borovik-Romanov, A. S.	122
Borowski, Jan	39
Borshchev, B. V.	160
Bovsheverov, V. M.	182
Boyarintseva, M. Ya.	202
Boykov, B. V.	201
Bozhenko, V. P.	196, 197
Bozic, Ph. V.	226
Bozlovskiy, A. I.	121
Bracale, S.	240, 262
Braude, I. D.	24
Brauer, G.	140
Bredis, A. I.	200
Brenet, J.	132
Brezhnev, B. G.	24
Brichkin, A. V.	164
Brodskaya, Ye. I.	205
Brodskiy, A. I.	124
Bronshten, V. A.	265
Bruce-Chwatt, Leonard J.	199
Bruck, Solomon Il'ich	96
Brutto, E.	240
Bruzzzone, M.	143
Bslyayeva, V. F.	216
Bubnov,	245
Bubnova, M. M.	218
Buczowski, Tadeusz	39
Budnikov, P. P.	125
Budyko, A. L.	216
Budyko, M. I.	179

Budynski, Jerzy	44
Bukasov, S. M.	112
Buketov, Ye. A.	6
Bulatovic, Veselin	52
Bulatovich, Veselin	57
Bulyuko, Ye. S.	5
Bune, N. Ya.	130
Bunimovich, A. I.	164
Bunin, K. V.	195
Bunkin, F. V.	148
Bunyak, Kh. G.	186
Bunyatyay, G. Kh.	202
Burchakov, A. S.	249
Burkhardt, Herbert	153
Burlachenko, M. A.	207
Burlakova, Ye. V.	212
Burmistrov, A. A.	16
Bushmich, G. A.	8
Buslayev, M. A.	204
Busygin, V. Ye.	242
Bychkov, Yu. F.	231
Byckovsky, Vladimir	32
Bystrov, F.	15
Bystrov, L. N.	229
Bystrov, P. D.	230

- C -

Cabella, A.	240, 262
Calvet, E.	133
Cao-Viet-Bao	89
Cappeller, U.	259
Caputo, Antonio	260
Carlen, Rickard	58
Castro, R.	234
Cavalca, L.	143
Celac, N.	48
Cerny, Josef	56
Cervený, A.	33
Chakhotin, S. S.	211
Chaklin, A. V.	218
Chalyk, M. A.	207
Chang, Chu-kun	95
Chang, K'uan-hou	117
Chang, Li-kuo	93
Chang, Shu-tsu	95
Chang, Ts'ai	65
Chang, Wan-t'ung	223

Chang, Wen-ang	72
Ch'ang, Yao-tung	224
Chao, Tsung-yu	68
Chaplygin, A. V.	3
Charkas, Moustafa H.	62
Charkiewicz, Michal	40
Charvat, V.	176
Chaylakhyan, M. Kh.	109
Chegis, I. A.	194
Chekedova, L. K.	219
Chekotillo, A. M.	185
Ch'en, Chien-kung	94
Ch'en, Chi-tung	95
Ch'en, Feng-t'ung	67
Ch'en, Hao-ch'in	67
Ch'en, Hsin-t'ao	116
Ch'en, Yun-chang	96
Cheng, Kuo-k'uei	116
Cheng, Lu	72
Cheng, Wan	84
Chentsov, R.	252
Cherendnichenko, V.	265
Cherevko, M.	25
Cherkareva, G. A.	199
Chernina, V. S.	164
Chernobay, A. I.	7
Chernogorov, I. A.	210
Chernomorchenko, S. G.	128
Chernov, L. A.	146
Chi, Hung	84
Chi, Jui-ting	117
Chi, Teh	71
Chi, Wen-fu	83
Chia, Ch'i-yun	63, 64
Chia, Shan-fu	223
Chiang, Tse-han	94
Chiao, Chi-ming	68
Chiao, Ming-lan	222
Ch'ien, San-ch'iang	238
Chigarkin, A. V.	273
Ch'ih-ch'iu	83
Chikeidzo, G. B.	271
Chikobava, Arn.	270
Chin, Tung-yin	95
Chiou, Ch.	142
Chistovich, L. A.	267
Chistyy, L.	22
Chizhikov, D. M.	232

Chokin, Sh.	9
Chokin, Sh. Ch.	273
Chou, Keng-i	65
Chou, Lin-tu	67
Chou, Ming-chi	95
Chou, Nan	60
Chou, Pei-yuan	68
Chu, Sui	222
Chuang, Ching	222
Chuchkin, A. V.	207
Chudakov, A. Ye.	265
Chumakov, A. E.	114
Chung, Hui-lan	82
Ch'un-hsiang	66
Chuvayev, A. P.	184
Chvalovsky, V.	131
Clusius, Klaus	260
Coche, A.	256
Constantinescu, M.	49
Constantinescu, V. N.	171
Corsetti, C.	240
Costeanu, G. I.	256
Courtel, R.	132
Cremene, Stefan	48
Crespi, G.	143
Crussard, C.	170
Czapska, Jadwiga	154
Czerwinski, Adrian	154

- D -

Dadabayev, A. D.	14
Dadayev, K. D.	27
d'Ambrosio, Antonio	98
Daniel-Szabo, J.	255
Danilenko, A. I.	226, 227
Danilin, A. I.	184
Danilov, F. A.	158
Danilova, V. I.	249
Dannecker, Kiefer	241
Darusso, F.	143
Darbinyan, T. M.	200
Darczewski, Roman	54
Daume, E. Ya.	148
Davan'lov, A. B.	7
David, Gabor	225
Davidovich, V. G.	5
Davidovich, Ya.	11

Davydov, A. S.	254
Davydov, B. L.	26
Davydov, M. M.	2
Davydova, M. V.	109
De Carvalho, R. G.	256
De Castro, Josue	73
Dedek, Josef	32
Dedek, V.	170
Deigen, M. F.	249, 251, 254, 263
Del Carral, F. Munoz	263
Delimarskiy, Yu. K.	127
Delone, N. L.	238
Delorme, Henri	73
Dem'jankov, N. V.	1
Demyashkevich, B. P.	167
Denisenko, Ya. I.	124
Denisov, N. G.	149
Deniszczuk, Maciej	42
Derbeneva-Ukhova, V. P.	204
Derkach, M. F.	267, 268
Dermendzhiev, Ivan	56
Dernovskaya-Zelentsova, G. L.	206
Desmireanu, I.	46
Deych, G. B.	161
Dibner, V. D.	190
Dickens, P.	135
Didovets, S. R.	217
Dietzel, A.	135
Dimitrievskiy, V. P.	244
Di Vita, Girolamo	176
Diyachenko, V. V.	161
Dmitryev, G. N.	178
Do, Muoi	77
Do, Van Suu	76
Dobrokhotoy, N. N.	229
Dobroverkiy, V. V.	167
Dobrowolski, M.	178
Dobrushin, R. L.	251
Dogonadze, R. I.	2
Dokuchayev, A. I.	238
Dokuchayev, V. P.	179
Dolezel, Jiri	52
Dolgin, I. M.	189
Donat, A. M.	110
Doronin, Yu. P.	189
Doroshchuk, V. E.	164, 168

Dose, Klaus	260
Dragomir, Gh.	47
Drboglav, M. A.	109
Drosdova, N. N.	120
Droubay, Jean-Emile- Rene	171
Drozdoz, N.	21
Drozhevskina, M. S.	197
Drugov, A. F.	162
Du, Len-yao	147
Duboshin, G. N.	191
Dujanovic, Petar	57
Dumitru, D.	47
Dumitru, Felician	50
Dumitru, I.	46
Durrwachter, W.	141
Dushkin, P. K.	183
Dvizkhov, P. P.	202
Dvoryankin, R. A.	217
Dvoyrin, M. S.	207
Dzhakoniya, V.	150
Dzhodzhoz, Podpolkovnik G.	53
Dzhordzhio, N. V.	181
Dzhyembayev, Zh. T.	16

- E -

Ebert, F.	140
Efimov, A. V.	193
Efroyimovich, Yu. E.	151
Eggers, H.	140
Eidel'man, M.	15
Elkershausen, A.	172
Elkin, I. I.	119
Elyava, T. A.	126
Emanoil, C.	50
Engel'gardt, V. A.	275
Enik, G. I.	178
Enyutina, R.	183
Epifanov, A. I.	250
Epp, Inge	35
Epshtein, Ya. A.	205
Erbe, F.	137
Ericksson, R.	192
Ershov, V. N.	177
Estulin, I. V.	243
Etterlin,	173

Eveleens, W. 239  
Evzerova, F. K. 168

- F -

Facchini, A. 240  
Fahr, G. 138  
Fain, V. M. 147, 246  
Fainshtein, S. M. 256  
Fan, Shen-chih 69  
Fang, Ch'ih-hsin 83  
Fasova, A. F. 253  
Fayn, V. S. 147, 167  
Faynzil'berg, A. A. 123  
Fedorov, Ye. K. 185  
Fedorov, G. B. 231  
Fedorov, R. Ye. 264  
Fedorova, N. I. 182, 201  
Fedotov, N. A. 237  
Feher, F. 134  
Feigel'son, Ye. M. 187  
Feitknecht, W. 137  
Fel'dman, N. L. 212  
Feng, Teng-tzu 80  
Ferro, R. 142  
Ferroni, Enzo 143  
Fert, C. 256, 263  
Festa, G. 16  
Fiam, Bela 225  
Ficalbi, Augusta 143  
Filatov, A. M. 216  
Filimonov, A. 5  
Filippova, V. 51  
Finogenov, V. N. 6  
Fisher, L. I. 210  
Fitina, L. 15  
Florescu, Emanoil 47  
Fluckiger, H. 61  
Foex, M. 132  
Foldesi, Tamas 52  
Follinus, Janos 37  
Fomichev, M. S. 249  
Fomin, V. V. 131  
Fradkina, V. Ye. 209  
Franck, E. U. 141  
Frappe, G. 137  
Fredas, Pietro 101  
Freidin, A. S. 250

Fricke, R. 141  
Frid, F. P. 168  
Fridland, V. M. 185  
Fridlender, G. O. 248  
Friedrich, A. G. 171  
Friedrich, M. 140  
Friedrich-Frekza, H. 239  
Friele, L. F. C. 139  
Fritsch, R. 138  
Froede, W. 174  
Frolov, V. A. 6  
Frolov, V. V. 243  
Frolov, Yu. 205  
Frolova, I. 25  
Frossel, W. 172  
Froylikh, G. 242  
Frumkina, R. M. 271  
Fu, Ming-chieh 224  
Fufin, V. I. 200  
Fukushina, Yutaka 75, 87  
Funke, P. 173  
Furukawa, J. 240, 262

- G -

Gailit, T. A. 180  
Gajewski, Josef 43  
Galla, Laszlo 37  
Gardner, E. 170  
Garmash, V. A. 270, 272  
Gasilin, V. S. 209  
Gasul', R. Ya. 216  
Gavel, R. 34  
Gayovskiy, V. L. 189  
Gaylit, T. A. 152  
Gebhardt, E. 142  
Galeji, A. 171  
Gel'fand, I. M. 252  
Gel'man, A. D. 131  
Generalov, N. A. 250  
Genkin, V. Y. 232  
Genzel, L. 259, 260  
Georgi, Johannes 192  
Gerasimenko, I. I. 204  
Gerbec, M. 226  
Gorlovin, Ye. Sh. 198  
Gero, Gyorgy 37  
Gerold, V. 260

Gerrens, H.	134	Grachev, N. S.	247
Gerritsen, D. J.	133	Gradinger, H.	140
Gershmanov, E.	10	Gradowski, Tadeusz	41
Gevorkyan, Kh. O.	125	Graf	100
Gheorghiu, N.	46	Grebenikov, Ye. A.	107
Gierloff-Emden,		Gregor, Kurt	36
Hans-Quenter	192	Grekh, I. F.	220
Gil'berg, L.	106	Greybo, G. A.	152
Gil'man, A. M.	163, 193	Grgin, Ante	225
Gindin, Ye. Z.	265	Grigor'yev, V. S.	160
Ginzberg, A. I.	228	Grigor'yeva, N. N.	218
Ginzburg, R. M.	211	Grinberg, A. A.	126
Ginzburg, V. L.	246	Grinevich, G. P.	3
Giosan, N.	49	Gringauz, K. I.	180
Gitis, E. I.	146	Gritsman, Yu. Ya.	199
Giurgiu, V.	50	Grobner, W.	194
Glagoleva, M. G.	183	Grollman, A.	141
Glasonuv, S. G.	228	Groys, E. S.	4
Glikman, Pawel	40	Grozdanic, Stanko	52
Gmelin	133	Gruza, G. V.	182
Gnevyshev, M. N.	264	Gruzin, P. L.	232
Goberman, P. N.	158	Gubin, A. I.	161
Godin, Yu. G.	231	Gubler, Ye. V.	200
Goehring, M.	140	Guenther, Joachim	36
Gol'danskiy, V. I.	244	Gueussier, A.	234
Goldin, M. I.	111	Gukasian, A. B.	111
Golenetskiy, S. I.	188	Gulyakin, V. D.	231
Gollmich, Hans Joachim	258	Gumilevskiy, A. A.	233
Gol'tsov, A.	11	Guresin, Ecvet	60
Golubentsev, D. A.	205	Gurevich-Usyskina,	
Golubev, S. A.	159	Yu. S.	218
Golyato, G. O.	114	Gus, S.	96
Gomer, G. I.	152	Gusarov, I. I.	201
Goncharov, A. M.	193	Gusev, A. I.	161
Gorbatsevich, A. F.	8	Gusev, G. A.	161
Gorbovitskiy, Ye. B.	199	Gusev, N. G.	243
Gordienko, L. K.	229	Gusev, V. D.	152, 180, 191
Gorelik, S. S.	250	Gusev, V. N.	8
Gorelov, Yu. A.	250	Guseynov, I. A.	199
Gorenbein, V. Ya.	163	Gus'kova, A. K.	203
Goreniuc, P.	49	Guslits, I. G.	202
Gorizontov, P. D.	210	Gustov, L. D.	4
Gorlich, P.	258	Gutemakher, L. I.	157
Gorodetskiy, A. A.	227	Gutman, L. N.	187
Gorska, Teresa	43	Gvozdozer, S. D.	148
Gottlieb-Billroth, H.	225	Gyama, Y.	262
Govorov, V. P.	233		
Grablevskiy, V. N.	237		

- H -

Haber, Mieczyslaw	39
Hadid, Zobeir A.	86, 87
Haefer, R.	257
Hafenrichter, S.	139
Hahn, H.	140
Hahnemann, H. W.	174, 259
Hajko, V.	255
Hamada, H.	262
Hammen, H.	261
Han, I-min	66
Hartmann, H.	140
Hasing, J.	257
Hecht, F.	235
Heitler, W.	260
Heng, Ch'eng	63
Heng, Chi-wei	73
Henneberg, Hans	173
Herrmann, G.	134
Herrnkind, O. P.	153
Hessler, H.	175
Hetzl, K. G.	136
Heusler, O.	32
Ho, Ch'ang-chang	85
Ho, Ch'en-hua	68
Ho, Chien-tang	67
Ho, Ch'i-jui	69
Ho, Shih-lien	79
Ho, Wei	81
Hohlstein, G.	140
Hohne, E.	174
Honrath, M.	142
Hora, H.	258
Horski, J.	241
Horvath, T.	48
Hostettler, Hans-Ulrich	260
Hou, T'e-pang	67
Hsiang, Ch'ung	84
Hsieh, Hsiang-huang	69
Hsieh, Hsin-ying	82
Hsin, Wu	84
Hsiung, Fo-hsi	95
Hsiung, Shih-chieh	86
Hsu, Chang-hsun	68
Hsu, Chia-t'un	79
Hsu, Chieh-fan	95
Hsu, Chih-hui	223
Hsu, Chun-ming	92
Hsu, Min	69

Hsu, Ping-k'uen	116
Hsu, Yeh	82
Hsu, Ying-nien	63
Hsueh, Chi-ch'un	70
Hu, Ch'ing	84
Hu, Hsin-jen	79
Hu, K'o-shih	80
Hu, Mou-lien	222
Hu, Shan-mei	73
Hua, Lo-keng	94
Huan, Ping-wei	192
Huang, Chien-chih	64
Huang, Ta-hsin	92
Huang, Y. P.	235
Huber, E. W.	174
Huber, P.	257
Hund, F.	141

- I -

I, Jui-sheng	94
Iacobovici, C.	48
Iandelli, A.	142
Ianes, A. V.	186
Ignatov, D. V.	231
Igolkin, N. I.	196
I-jui	80
Il'in, L. A.	202
Ilin, S.	12
Il'ina, E. M.	151
Il'inskiy, B. V.	209
Ilyukovich, A. M.	164
Il'yushin, A. A.	165
Imshennik, V. S.	180
Inozemtsev, N. N.	247
Insarov, I. A.	219
Ionescu, Iordache	48
Isachenko, A. M.	168
Isakov, P. I.	264
Isayev, B. M.	243
Ishimori, T.	262
Ishin, Yu. D.	166
Isma'il, Muhammad Sa'id	62
Ivakhnenko, A. G.	158
Ivanitskaya, L. P.	215
Ivanitskiy, A. M.	206
Ivanov, N.	18
Ivanov, V. A.	9

Ivanov, V. V.	268
Ivanova, E. N.	185
Ivanov-Smolenskiy, A. V.	166
Ivitskiy, A. I.	158
Ivoos, Bela	38
Iwamura, Michio	87
Iwanow, W.	132
Iwanowski, Tadeusz	45

- J -

Jablonaki, H.	277
Jaffe, G.	261
Jahn, Stanislaw	56
Jan, T'ao	64
Janicke, W.	137
Januska, Otto	31
Jaudon, E.	234
Jentet, M.	170
Jermar, Frantisek	31
Jeydrych, Kazimierz	42
Jica, P.	46
Jindra, Vladimir	32
Jovanovic, D.	117
Juillet, F.	133

- K -

Kadashevich, Yu. I.	165
Kadynova, K. A.	167
Kalachev, I. B.	253
Kalakutskaya, N. A.	245
Kalliga, G. P.	125
Kalmykov, A. M.	184
Kalmykov, E. S.	204
Kalugin, K. S.	243
Kalugin, V. F.	161, 228
Kamenetskiy, Ye.	20
Kamyshnikov, S.	219
Kan, V. L.	246
Kandic, B.	117
Kandrenkov, A.	11
Kao, Hui-chen	93
Kapitonova, O. N.	110
Kaplan, S. A.	264
Karasev, V. P.	124
Kardash, I. B.	219
Karimov, M. G.	108

Karlikov, V. P.	169
Karmilova, L. V.	129
Karol', I. L.	180, 181, 182
Karpov, S. P.	196
Karpukhin, D.	10
Karsulin, M.	138
Kartushin, P. A.	196
Karyakin, L. I.	125
Kasherininov, R. M.	13
Kassil', G. N.	208
Kasyuk, L.	245
Kataoka, Massaharu	26
Katar'yan, T. G.	109
Katkov, F. A.	169
Kats, L. N.	213
Katsarov, Pavel	30
Katyarova, Kh. S.	21
Kaudewitz, F.	239
Kavcic, Stane	52
Kayurov, Yu.	11
Kazakin, V.	12
Kazarnovskiy, Ya. S.	252
Kazmenko, D. V.	8
Kaznacheyev, Yu. I.	252
Keirim-Markus, I. B.	242
Kel'zon, A. S.	246
Kemal, Yasar	60
Kemula, Wiktor	144
Kerimov, D. A.	275
Kessels, K.	173
Ketkov, Yu. L.	150
Khabarov, I. A.	274
Khabibullin, Sh. T.	264
Khanaychenko, N. K.	184
Khanin, A. G.	220
Khanova, T. M.	195
Kharchenko, A. K.	75
Khenokh, M. A.	122
Khodov, M. P.	9
Khokhlov, A. F.	169
Kholodovich, A. A.	269
Khrushcheva, E. P.	111
Khvostova, V. V.	238
Kiebnitz, E.	137
Kienow, S.	174
Kierczynski, Tadeusz	39
Kiklevich, A.	21

Kikolski, Bohdan	93	Kogan, S. Ya.	188
Kim, Kuk-t'ae	88	Kogan, Ya. I.	122
Kimman, Peranders	156	Koganovskiy, A. M.	124
Kimulkin, A. T.	26	Kokonov, M. T.	218
Kirchhoff	261	Koil'sova, V. A.	125
Kirilin, I. A.	17	Kolesnichenko, V. O.	163
Kirillov, P. L.	247	Kol'ga, V. V.	244
Kirsanova, V. S.	218	Kolosov, S. P.	105
Kir'yakov, G. Z.	123	Kolotilova, Yu. V.	8
Kirychnskiy, B. R.	227	Kolotyrkin, Ya. M.	130
Kisalev, A.	20	Kolpakov, M. G.	206
Kisalev, A. V.	120	Kolpashnikov, A. I.	233
Kishkhazi, Eden	51	Kolshanskiy, G. V.	274
Kishkin, C. T.	243	Komarov, N. N.	181
Kishko, Ya. G.	111	Komers, R.	122
Kisilenko, V. A.	202	Kominar, S. I.	8
Kislyakov, A. G.	148	Konarat'yev, P. V.	3
Kitayev, S. I.	151	Kondrashkin, G. A.	196
Kitihara, S.	144	Kondrateyev, V.	129
Kiyarovskiy, M. P.	191	Kondrat'yev, N. A.	264
Klabunovskiy, Ye. I.	124	Kondrat'yev, V.	127
Klebanov, G.	219	Kondrat'yev, V. N.	127, 129
Kleitman, E. I.	196	Kondrat'yeva, Ye.	129
Klemm, W.	141	Konig, M.	49
Klepfer, Ye. I.	147	Koniga, A.	235
Kletskin, M. I.	13	Konnikova, T. E.	26
Kleyman, Ya. Z.	164	Kononenko, G. A.	6
Kliakotko, M. A.	180	Konstantinov, I. E.	242
Klimkevich, V. P.	208	Kontorina, A. A.	197
Klimovskaya, L. D.	218	Koopmans, K.	131
Kling, W.	138	Kopotov, A. T.	159
Klir, Ladislav	131	Kordes, E.	142
Kloos, K. H.	258	Korenevskiy, L. I.	218
Kluge, Von Werner	259	Kornikov, I. I.	128
Klyuyev, L. V.	137	Korobkov, I. I.	231
Knobloch, Vladislav	31	Korolev, V. D.	233
Knorn, B.	36	Korol'kov, N. V.	146
Knysh, V. A.	166	Koros, B.	176
Knyziak, Zygmunt	40	Korsakova, I. S.	123
K'o, Ch'ing-shih	79	Korshunova, A. F.	114
Kobozev, H. I.	251	Kor'ye, G.	12
Kobus, Stanislaw	57	Kosfeld, R.	153
Kobylinski, R.	225	Koshechkin, B.	191
Koch, N.	136	Koshkin, L. N.	157
Koch, Walter	36	Koshtoyants, Kh.	265
Kochankov, V. G.	109	Kositaskiy, G. I.	266
Kochetygov, M. I.	206	Kositayna, E. I.	196
Kochurova, I. I.	113	Kost, W.	100



Kotarbinski, T.	277	Ku, Liang	80
Kotel'nikov, I. V.	163	Ku, Mou-hsun	95
Kotev, G.	116	Kucherov, N. V.	190
Kotev, V. I.	237	Kudryashov, V. K.	168
Kovacic, Ludovit	51	Kuklin, A. K.	191
Kovacs, Denes	38	Kukudzhanov, V. N.	247
Kovalev, S. I.	25	Kulagin, I.	11
Kovanev, V. A.	235	Kulagina, O. S.	271
Kovats, L. Telegdy	36	Kulik, M. S.	184
Kovrigin, P.	10	Kulikov, I.	19
Kozerenko, V. N.	28	Kulikov, I. M.	6
Kozhevnikov, Yu. A.	210	Kuluyeva, Sh. K.	199
Kozik, A. K.	1	Kung, T'ien-en	116
Kozlovskaya, V. P.	162	Kunin, M. S.	219
Kpzyreva, G. A.	114	Kupriyanov, P. A.	216
Kraft, O.	245	Kurakov, I. G.	15
Krakinovskiy, L. M.	168	Kurashov, S.	12
Kramer, Erwin	175	Kurashov, S. V.	209
Kraska, T.	225	Kurdiukov, K. P.	245
Krasnikovskiy, G. V.	14	Kurilko, V. I.	255
Krasnov, M. D.	113	Kurshakov, N. A.	203
Krasnovskiy, A. A.	245	Kurt, V. G.	180
Krasnovskiy, A. S.	120	Kushner, Kh. F.	111
Krasovskiy, V. I.	190	Kutateladze, S. S.	157
Krat, T. V.	107	Kuzina, T. S.	228
Krat, V.	107	Kuznetsov, A. V.	193
Krause, U.	236	Kuznetsov, N. T.	157
Kravcenko, V.	174	Kuznetsov, S. M.	13
Kravchenko, S. S.	207	Kuznetsov, Yu. I.	168
Krencik, Wieslaw	40	Kvasnikova, L. N.	214
Krenkel', E.	23		
Krinov, E. L.	119, 179		
Krisch, A.	234		
Krivoshain, G. S.	166		
Krokhin, E. M.	183		
Krokowski, Ernst	258		
Krol, Henryk	40		
Kronja, T.	117, 225		
Kropachev, L. N.	183		
Kroschkin, M. G.	266		
Kruk, I. N.	205		
Kruzhilin, G. N.	245		
Krutikov, A. M.	159		
Krylova, N. M.	161		
Krymskiy, L. D.	200		
Kryszewski, Josef	39		
Ku, Erh-t'an	80		
Ku, Hsin-min	72		

- L -

Lachinyan, S. R.	206
Laikhtman, D. L.	188, 189
Lantsev, M.	10
Lapcheva, V. F.	181
Lapidus, H. G.	111
Lapitskin, V. I.	123
Larionov, L. F.	214
Lashko-Avakyan, S. V.	162
Laslo, Eded	184
Lasocki, Jerzy	39
Lassi, H. I.	200
Lauffer, V. M.	7
Laustriat, G.	256
Lautout, M.	133
Lavrova, L. V.	219
Lawniczak, Maciej	177
Lazarev, H. V.	220
Lazarov, Kiril	30
Lazda, S.	240
Laz'ko, Ye. M.	28
Lazovskiy, I. M.	178
Le, Manh Trinh	90
Le, Thanh Nghi	77
Lebedev, D. S.	272
Lebedev, I. A.	76
Lebedev, V.	2
Lebedinskiy, A. V.	213, 218
Le Blanc, M.	261
Le Corre, Yves	256
Ledokhovitch, A. A.	189
Leeb, A. J.	235
Lehfelddt, W.	170
Lehmer, W.	239
Lehr, P.	239
Leksin, V. M.	5
Leman, Maria	154, 155
Lemin, I.	17
Lenina, V. I.	24
Lenakiy, B. V.	76
Leonenko, I. A.	75
Leont'yev, A. M.	197
Leontyev, A. P.	1
Leont'yev, G. A.	230
Lepoutre, G.	137
Lerbs, A.	239
Lerner, O. M.	122

Leahchinakiy, H.	237
Leszczycki, Stanislaw	93
Leuschner, Bruno	34
Lev, A. A.	212
Lev, I. D.	198
Levantovskiy, V. I.	264
Levi, M. I.	220
Levian, L. G.	7
Levin, M. T.	4
Levin, V. L.	212
Levochkin, F. K.	243
Levashin, I. P.	151
Leypunakiy, O. I.	253, 130
Li, Chih-hsien	255
Li, Hing-fan	85
Li, Hing-ta	76
Li, Lien-hsin	65
Li, Pei-t'ang	64, 86
Li, Ping-shu	72
Li, Pu-lung	66
Li, Su-kuang	192
Li, Tseng-yung	80
Li, Tung-ch'u	69
Liang, Yeh-k'ai	117
Liberman, L. L.	207
Liberman, Ye.	221
Lien, Hong-yuan	73
Lien, I-tung	73
Lifshitz, T. M.	256
Likhachev, A. A.	162
Lilova, O. M.	131
Lin, Ching-hsin	70
Lin, Tsung-tsai	76
Lipia, L. V.	131
Lipshits, B. M.	7
Liska, Karel	131
Litvinenko, V.	150
Litvin-Sedoy, M. Z.	248
Liu, Ching-yang	95
Liu, Chun-hai	92
Liu, En-lan	95
Liu, Hsiu-yun	224
Liu, Jen	70
Liu, Pao-chung	67
Liu, Tzu-ch'in	223
Liu, Tzu-chiu	69
Liu, Tzu-hou	94
Liu, Ya-hsiung	70

Livenson, A. P.	204
Livshits, N. N.	250
Lobanov, N. I.	160
Lobanov, P. P.	274
Lobova, E. V.	185
Loginov, Z. I.	2
Lohberg, K.	262
Lomonosov, Ye. G.	183
Lomtev, T. P.	275
Loncear, Carol	46
London, F.	260
Lopukhin, V. M.	150
Lorenz, K.	235
Loriers, Jean M.	132
Losev, S. A.	250
Loskutov, B. P.	151
Lotach, H.	225
Lou, Tung-mao	92
Lovchikov, V. S.	7
Lu, Ching-chun	95
Lu, Hsin-yen	72
Lu, Kang	224
Lu, Shou-tseng	224
Lu, Tsung-cheng	68
Lueg, W.	173, 236
Lukacs, Otto	38
Lukashova, L. V.	213
Luk'yanchenko, S.	22
Lunev, V. V.	165
Lur'e, G. E.	244
Lurthi, B.	258
Lutsov, Ivan	30
Luu, Quy Ky	89
L'vova, M. A.	242
Lyashenko, V. S.	231
Lydeking, C.	152
Lymaryev, V. I.	179
Lyubavskiy, K. V.	120
Lyubomudrov, V. Ye.	219
Lyutova, M. I.	212

- M -

Ma, Kuo-yan	72
Ma, Wen-shui	70
Ma, Yao-chang	66
Macha, Josef	32

Macherauch, E.	257
Magone, J.	277
Magone, Ya.	269
Mahmudbeyova, E. Sh.	199
Maier, Z.	250
Majewski, Jerzy	41
Makai, Maria	52
Makarchenko, O. F.	226
Maksimov, A. A.	196
Maksyuk, V.	21
Malak, Ya.	247
Malakhov, A. N.	147
Malakhov, S. G.	181
Malatesta, L.	143
Malinovskiy, M. B.	115
Malkevich, M. S.	187
Malkov, M. P.	237
Mal'tsev, Ye. D.	229
Malyshov, V. I.	232
Mamatsashvili, E. G.	109
Mamayev, P.	11
Mamonov, Ye. I.	146
Manankov, M. K.	110
Manescu, Radu	48
Mangushev, R. I.	210
Manko, Zygmunt	43
Mant'yeva, V. L.	200
Mao, Hung-hsin	224
Mao, I-sheng	94
Mao, Wen-ch'iu	93
Maran, Bohuslav	32
Marchesi, Arnaldo	100
Marchuk, G. I.	237
Marchvelani, A. P.	271
Margulis, M. S.	200
Marinov, A. M.	4
Markin, A. A.	178
Markov, V.	11
Marowski, Robert	41
Marschall, H. J.	172, 259
Marshunova, M. S.	189
Martens, B. K.	114
Marti, W.	137
Martins, Hans	171
Martynov, V. T.	185
Maslov, A. I.	124
Maslov, G. A.	161

Maslov, Ye.	24		Mikheyev, M. N.	251
Massen, V. A.	169		Mikheyeva, Z. I.	159
Massimilla, L.	262		Miller, V. B.	129
Matschos, Otto	37		Millet, M. J.	145
Matus, I.	7		Milovanov, V. K.	217
Matyas, E.	46		Mil'vitskiy, R. V.	169
Maushart	241		Mineo, Giovanni	176
Maximov, V. A.	160		Minin, P. I.	13
Mayevakiy, S. A.	12		Mirkotan, S. F.	191
Maynen, E.	100		Mironova, Yu. P.	209
Mazelev, L. Ya.	119		Mischke, Kazimierz	42
Mazok, M.	51		Mishchenko, V. I.	14
Meckert, Simone	99		Mitrofanov, S. I.	233
Medved', L. I.	26, 201		Mityakov, N. A.	147
Medvedev, V. A.	130		Mizin, L. M.	4
Medvedev, V. I.	151		Mledocki, Wacław	43
Medvedeva, S. G.	26		Molchanova, O. P.	195
Megrelishvili, T. G.	182		Molchanova, V. A.	114
Mei, Hao-shih	84		Moldovan, I.	49
Meier, F.	261		Molinder, G.	177
Mel'chuk, I. A.	268, 271		Molnar, Janos	38
Melekhin, L. Ya.	7		Moloshnaya, T. N.	268
Melikadze, L. D.	126		Monoszon, A. M.	257
Melikova, O. S.	125		Moraglio, G.	143
Mel'nichenko, A. K.	198		Morawietz, H. J.	260
Melnikov, D.	18		Morelj, M.	226
Mel'nikov, I. F.	243		Moreno, J. L.	25
Mel'nikov, N. N.	114		Moreno, D.	143
Mel'nikov, V. I.	159		Morgulis, N. D.	249
Menci, K.	33		Morgulis, N. E.	246
Mensik, Ed.	33		Morishima, T.	236
Meokumyan, M.	271		Moroz, L. M.	243
Merezhinskiy, M. F.	219		Moroz, V. I.	180
Meshalkin, Ye. N.	200		Morozov	245
Meshcheryakov, N. A.	216		Moser, I.	139
Meshkova, O. V.	269		Moskalev, Yu. I.	213
Meshkovskiy, K. A.	272		Moskwa, Zygmunt	154, 155
Meyer, K. H.	225		Motovilova, L. P.	209
Meyer, K. P.	258		Mozzhukhin, A. S.	213
Mezie, A.	55		Mozzhukhin, E. I.	250
Mikami, E.	262		Mu, Ying-hua	93
Mikhalev, I. N.	159		Muller, Albert	240
Mikhaleva, V. A.	196		Muller, D. F.	61
Mikhaylov, B. M.	128		Muller, H.	236
Mikhaylov, G. A.	158		Murav'yeva, Z. I.	196
Mikhaylov, V. V.	213		Murin, A. N.	237
Mikheyev, A. I.	161		Murzinov, I. N.	165
			Myasnikov, T. A.	208
			Myasnikov, V. P.	164
			Myshkin, S. N.	253

- N -

Nabauer, M.	259
Nagirnyak, F. I.	4
Najmiger, Bronislaw	40
Nakhil'nitskaya, Z. N.	218
Narbutt, K. I.	249
Nardelli, M.	143
Nasonov, D. N.	211
Natarov, E. F.	151
Natradze, A. G.	204
Natta, G.	143
Natus, D.	136
Naumov, I. I.	160
Naumovets, A. G.	246
Naydenov, M.	221
Nazarchik, A. F.	6
Nazintsev, Yu. L.	186
Nedzvedskiy, A. V.	26
Nefedov, V. D.	237
Nefed'yev, A. A.	264
Negrea, L.	50
Neill, J.	239
Nekrasov, N. N.	270
Nemchenko, V.	273
Nepomniashchii, S. I.	190
Nesterskiy, A.	22
Neuman, Alois	152
Neyman, M. B.	129
Nguyen, Buong Bang	89
Nguyen, Chi Thanh	89
Nguyen, Huu Mai	77
Nguyen, The Phuong	77
Nguyen, Tri Tinh	78
Nied, F.	34
Nieh, Jung-chen	81
Niesiolowski, Michal	44
Nikishanov, V. V.	230
Nikitin, E. E.	112
Nikitin, E. S.	243
Nikitin, V. N.	195
Nikodem, B.	33
Nikolayev, L. A.	215
Nikolayeva, T. M.	271
Nikol'skiy, B. A.	169
Nikolskiy, G. V.	186
Nikol'skiy, N. A.	245

Nikol'skiy, N. N.	212
Nimura, Tadamoto	192
Nogina, N. A.	185
Noirot, Paul	73
Nosmeyanov, A. N.	14
Notkin, D.	9
Novikov, I. D.	265
Novikov, S. S.	123, 124
Novikov, Yu. V.	187
Novikova, M. I.	228
Novosel'tev, V. N.	245
Nowak, Wladyslaw	154
Nowakowski, Aleksander	42
Nowicki, Stanislaw	43
Nurkhanov, S.	269

- O -

O, Ik-kun	76
Obinata, I.	235
Ochman, R.	43
Odegov, Ye. V.	4
Odensjo, Per	58
Oel, Herbert J.	236
Oganesyan, M. I.	199
Oggioni, Emilio	101
Ogyevskiy, V. V.	113
Okhotnikov, I.	152
Oldakowski, Stefan	44
Ol'khovik, E. Ya.	197
Omaz, T.	240, 262
Omori, J.	176
Orayevskiy, A. N.	148
Ordzhonikidze, A. A.	181
Orehov, V. D.	263
Orlenko, L. P.	188
Orlov, A. A.	266
Orlov, A. Ya.	109
Orlov, P.	21
Orlova, M. P.	122
Orudzov, M. M.	199
Osikina, Ye. S.	245
Ostapovich, O. N.	165
Ostroukhov, M. Ya.	178
Ostroverkhov, G. Ye.	203
Ostrovskaya, S. A.	163
Oyvan, I. A.	203

Pachocinski, Mieczyslaw	43
Paducheva, Ye. V.	268
Pai, Ju-ping	71
Pai, Ling	80
Pakitin, S. V.	7
Pakshina, E. V.	120
P'al, Kerekas	37
Palastrov, V.	22
Pamyatnykh, L. S.	6
P'an, Hsueh-mei	92
Panchenko, V. M.	126
Panteleyev, N. A.	191
Pao, Hsi-ch'ing	94
Papo, I.	55
Paramonov, A. A.	113
Pardal, Alexandre	61
Parin, V.	180
Parin, V. V.	214, 221
Paris, R.	132
Parkhomenko, V. Ye.	158
Partyka, Mieczyslaw	42
Pasechnik, A. M.	227
Pashkov, B. M.	208
Paszynski, Aleksander	40
Patrushev, V. L.	148
Pavlor, S. A.	7
Pavlov, A. A.	242
Pavlov, I. P.	201
Pawelski, O.	173
Pazukhin, V. A.	229
Pekar, S. I.	253
Pekhov, A. P.	214
P'eng, Jen-lin	117
Perchikova, G. Ye.	215
Peredreyeva, M. A.	124
Perekalin, V. V.	122
Pereverzev-Orlov, V. S.	270
Perevoznikova, Zh. L.	207
Perona, G.	240
Pertsev, A. K.	165
Petrenka, Jan	51
Petrokov, A. P.	4
Petrov, R. A.	212
Petrov, R. V.	112

Petrova, O. N.	238
Petrova, V. S.	161
Petrovich, Borislav	31
Petrovskiy, B. V.	204
Petukhov, B. V.	217
Pfeiffer, H.	135
Pham, Hung	77
Pieczora, Edward	44
Piotrovskiy, R. G.	268
Pisareva, L. N.	212
Pis'mennaya, F. G.	205
Pizzotti, R.	143
Plaude, K. K.	269
Pleines, E. W.	172
Fleskov, V. A.	257
Pletchkov, V. M.	147
Plishkin, D. N.	215
Ploumidis, M.	60
Flyatskiy, V. M.	169
Flyukhin, B. I.	246
Pobezhimov, I. F.	18
Poglazov, B. F.	112
Pogorelov, V. I.	182
Pogosov, A.	10
Pekhvisnev, A. N.	165
Polevodin, I.	9
Polezhayev, L. V.	200
Poloskov, S. M.	190
Polyakov, D. A.	162
Polyakov, G. I.	198
Polyakov, I. M.	114, 128
Polyakov, I. Ya.	114, 115
Polyakov, L.	152
Polyakov, P. D.	160
Polyakov, V. I.	9
Polyakova, A. M.	213
Polyanskiy, Yu. I.	213
Polynov, B. B.	184
Pomianowski, Miron	41
Poncmare, Ye. K.	208
Poncmarev, V. D.	6
Popescu, Mircea	49
Popov, B. N.	228
Popov, E. N.	215
Popov, N. S.	221
Popcv, V. I.	243
Popov, V. M.	196

Popova, A. I.	211
Popova, N. S.	220
Popova, V. M.	4
Popovich, Milintije	86
Popovici, Ioan	49
Popovskiy, M.	221
Portnov, M. A.	125
Potapova, E. P.	196
Potebnya, Yu. M.	165
Potylitsyn, P. M.	163
Preobrazhenskaya, N. S.	215
Preobrazhenskiy, B. K.	131
Presnyakova, G. A.	185
Presz, Andrej	39
Prives, M. G.	109
Prokofyeva, M. T.	217
Prokofyeva-Bel'govskaya, A. A.	110, 213
Propstl, G. E.	259
Proshchitskiy, Kh. S.	161
Prosin, A. V.	151
Protopopov, B. D.	160
Pryadilov, Yu. M.	244
Pshenichnikov, A. M.	146
Puchkova, T. I.	197
Pudikov, D.	5
Pudovkina, I. B.	181
Pushtarik, V. A.	237
Putilova, I. N.	228
Putsyn, D. P.	161
Puzyrev, N. M.	185
Pyankov, B. F.	218

- R -

Rabes, F.	173
Rabinovich, M. Ya.	201
Rabonovich, N. I.	204
Rachinskiy, F. Yu.	213
Rachkovskiy, S. Ya.	7
Radimov, O. N.	248
Radlein, G.	142
Rafikov, S. R.	128
Rajewsky, Boris	260
Rajkovic, S.	57
Rakhmanova, T. B.	244
Rakhovich, L. M.	4
Rakovskiy, V. E.	127
Rakowski, Mieczyslaw	40
Ramanov, K. F.	159
Rambidi, N. G.	252
Ramirez, Jose Evaristo	
Ramirez	103
Ramirez, Mazzei	103
Rasin, S. D.	226
Rasin, V. A.	147
Rass, R. S.	191
Rastoix, A.	239
Rasumov, V. I.	110
Rathousky, J.	131
Ratner, S. B.	121, 122
	123
Raub, E.	139
Rava, Alec	224
Raykov, Rayko	30
Razin, Ye. A.	23
Razumov, S. A.	109
Rechmenskiy, S. S.	201
Regel, A. R.	130
Reimer, L.	236
Reksodihardjo, Sarimin	86
Repina, R. S.	122
Resiga, M.	46
Revut, I. B.	113
Revzin, I. I.	276
Rey, Konrad	39
Reznitskiy, L. M.	157
Rezvoy, D. P.	28
Riazanov, V. A.	195
Richter, Eberhard	34
Ricke, E.	153
Rivin, M. A.	127
Rodionov, P. V.	120

Roggenbuk, B.	242
Rokhman, G. L.	162
Rokitskaya, L. V.	216
Romanenko, P. A.	147
Romanov, V. V.	185
Ronai, Rudolf	38
Rosotte, R.	234
Roters, E.	139
Roullier, F.	170
Roytenberg, Ya. M.	250
Rozanov, A. A.	62
Rozanov, A. M.	231
Rozanov, L. M.	185
Rozenberg, A. V.	216
Rozental', D. L.	212
Rozhnyastovskiy, T.	109
Rozman, I. M.	242
Rozov, N. N.	184
Rubanova, F. G.	196
Rudikova, M. M.	159
Ruff, O.	140
Ruranski, Stanislaw	45
Rusanovschi, I.	47
Ruscher, C.	136
Rusin, N. P.	190
Rusinov, V. S.	201
Ruttmann, W.	175
Ruzicka, J.	33
Ryabinin, Yu. M.	121
Ryabukhin, G. Ye.	75
Rybarczyk, Edward	44
Ryshakov, L. Yu.	186
Ryss, I. G.	119
Rytov, S. M.	265
Rzayeva, N. D.	199

- S -

Sabin, Nica	47
Sablin, A. A.	2
Sadomskiy, A. M.	195
Saenger-Bredt, Von	
Irene	134
Saeuberlich, Kurt	36
Sefferling, A.	236
Sa'igh, Da'ud	59
Salomonovich, A. Ye.	185
Samarin, A. M.	249
Samolodchikov, B. I.	244
Samoukov, F. I.	273



Samsonov, G. V.	127		Senchuk, T. T.	196
Sander, K. J.	258		Senchuro, I. M.	243
Sandler, N. I.	232		Senov, P. L.	198
Saptayev, K. I.	273		Septier, L.	170
Sarkisov, D. S.	199, 200		Sergeyev, S. D.	50
Sakisov, S. A.	201		Sergeyev, V. M.	203, 215
Sarkisyan, A. S.	187		Serova, N. V.	189
Satybaldin, M.	14		Sevryugova, N. N.	122, 238
Satybalov, A. A.	25		Sha, Tung-kuei	65
Sauer, H.	136		Shabad, L. M.	201
Sauer, Wilhelm	175		Shakhbazyan, I. Ye.	201
Saurer, Adolph	177		Shakhurin, V. N.	161
Saushin, F.	19		Shanin, Yu. N.	216
Saushkin, Yu. G.	191		Shapiro, N. I.	238
Savitskiy, E. M.	228, 251		Shapiro, Ye. A.	212
Sazonov, T. P.	5		Shaposhnikov, Yu. K.	130
Sazonov, V. V.	167		Shapovalov, Yu. M.	129
Sbitneva, M. F.	206		Sharapov, A. V.	188
Schelzel, Manfred	36		Sharapov, Yu. I.	146
Schenck, H.	234, 235		Sharpatyi, V. A.	263
Schery, Gabor	38		Shatagin, O. A.	232
Schiess, W.	152		Shatilov, S.	22
Schinn, R.	175, 234		Shatunov, G.	22
Schiopu, Bucur	47		Shauman, A. M.	149
Schirmer, Wolfgang	36		Shaumyan, S. K.	270
Schleicher, H. W.	262		Shavlovskiy, I. V.	150
Schmid, I.	247		Shchegolev, A. V.	3
Schmid, P.	257		Shchegolev, G. S.	5
Schmidt, E.	174		Shchegolev, V. N.	114
Schmidt-Lorenz, W.	225, 257		Shchelkin, K. I.	253
Schmitt, W.	174		Shchepkina, V. M.	248
Schneider, R.	132		Shchepotyeva, E. S.	244
Scholtz, H.	35		Shchipakin, L. N.	9
Schonefeld, H.	136		Shelest, V. A.	270
Schrader, A.	234		Shelimova, I. N.	268
Schulz, R. C.	138		Shen, Chih-yuan	68
Schulze-Manitius, H.	35		Shen, Chung	82
Schurz, J.	262		Shen, K'o-fei	222
Schwerdtner, H.	138		Shen, Liao-chin	83
Secomski, Kazimierz	42		Shen, Tao-chi	92
Segal, R. B.	254		Sherstnev, K. M.	209
Seghezzi, H. D.	142		Shestakov, S. V.	209
Selecki, Anatol	144		Shevandin, E. M.	253
Seleznev, V. P.	247, 248		Shevchenko, I. N.	227
Selling, E. J.	139		Shevchenko, M. I.	111
Sellmaier, A.	239		Shevchenko, S. F.	197
Semenescu, M.	50		Shevechenko, V. B.	126
Semenkov, V. M.	26		Shevelev, S. A.	123
Semenov, M. M.	121, 275		Shevlyakov, I.	265
Semenov, V. G.	183		Shevyreva, N. A.	205
Semko, R. S.	190		Sheykman, M. B.	203

Shih, Hsiao-shan	222	Skvortsov, N. N.	10
Shih, Kung-su	72	Slavachevskaya, N. M.	213
Shimakawa, Koshizo	192	Slobodenyuk, G. I.	151
Shipigel', A.	9	Slomyanskiy, G. A.	244
Shirahama, Hidekichi	75	Smal, Z.	241
Shirman, Ya. D.	151	Smekhov, B.	15
Shiryayev, V.	12	Smetannikova, A. V.	188, 189
Shitikov, B. N.	158	Smirnov, A. M.	1
Shklovskiy, I.	185	Smirnov, I. P.	204
Shklovskiy, I. S.	179, 180	Smirnov, K.	21
Shliapintokh, V. Ya.	245	Smirnov, V.	167
Shlyakhter, N. A.	212	Smirnova, Ye.	24
Shmal'gauzen, V. I.	149	Smirnyagin, L. V.	5
Shneps, M. A.	193	Smolenskiy, V. S.	126
Shonka, Irzhi	203	Sobaru, A.	48
Shpigel', Yu. I.	26	Sobol, S. I.	233
Shramchenko, O. S.	207	Sobolev, S. L.	274
Shtan', A.	237	Sochivko, L. F.	206
Shtern, L. T.	168	Soeno, K.	240
Shtukkenberg, Yu. M.	242	Sokalski, Kazimierz	44
Shubnikov, A. V.	244	Sokolov, A. V.	252
Shui, Hsi-heng	68	Sokolov, M. V.	26
Shul'kina, E. S.	3	Sokolova, N. B.	200
Shumilina, A. L.	268	Sokolova, V. G.	206
Shumilkin, V. K.	13	Sokolovskiy, V. V.	179
Shuper, A. S.	7	Sokolovskiy, Yu. I.	267
Shvedko, L. P.	197	Sokol'skaya, V. D.	121, 122
Shvedov, L. M.	220	Solc, Ivan	192
Shyutte, G.	51	Sollner, K.	141
Siebold, K.	34	Solodar', G. G.	148
Silin, V. P.	148	Sololev, S. K.	165
Silkin, B. I.	185	Solomonov, M. S.	164
Simakov, K.	9	Soloukhin, R. I.	252
Simkina, S. A.	214	Solov'yev, N. A.	204
Sinel'nikova, A. I.	166	Solov'yeva, G. G.	232
Sineokov, G. N.	188	Sonin, M. Ya.	3
Sippel, A.	137	Sos, Josef	37
Sirotnina, M. F.	226	Sourek, Stanislav	31
Sirotkin, Y. A.	163	Spalthoff, W.	141
Sirotkina, M. G.	207	Spasokukotskiy, Yu.	221
Sitkin, A. A.	228	Speshkov, V. V.	167
Sizov, Ye. S.	159	Spiridonova, Yu. V.	183
Sjahry, Pm.	96	Spirin, A. S.	110
Sjolin, Trygve	58	Spitsyn, V. I.	237
Skibinski, Leslaw	42	Spotan, Stanislaw	40
Skoblekin, V.	10	Spyny, Ye. I.	201
Skoblo, S. Ya.	123	Srb, Vl.	33
Skorov, D. M.	231	Stackelberg, M. V.	137
Skors'kiy, M. A.	27	Stancu, Marin	47
Skroder, Per	58	Stanishevskaya, N. N.	197
Skukst, V. A.	162	Stankevich, I. A.	215

Starik, I. B.	125
Stastny, Jaroslav	31
Stefan, C.	46
Steimel, K.	239
Stepanov, K. M.	114
Stepanov, M. S.	148
Stepanov, V.	20
Stepanov, V. E.	180
Stepchikov, A. A.	250
Stepina, V.	32
Stern, Nicolae	47
Stetsenko, N. D.	226
Stevanovic, M.	117
Stober, W.	135
Strampfer, H.	35
Straumanis, M. E.	142, 235
Strelkov, P. G.	122
Strigl, Georg	171
Strona, I. G.	14
Stroyev, K. F.	24
Strunnikov, V. A.	113
Stubican, V.	138
Sturm, W.	134
Styrikovich, M. A.	6, 157
Su, K'e-ch'in	116
Su, Pu-ch'ing	94
Subroto	74
Suchan, Karel	31
Suchkov, M. V.	162
Suder, M.	46
Sukhov, K. S.	113
Sukhoverkhov, F. M.	112
Sulakvelidze, G. K.	181
Sulima, A. M.	167
Sun, Chia-chin	66
Sun, Chin-hui	63
Sun, Ho-ch'ing	63
Sun, Mien-ling	223
Sun, Pen-huang	95
Sun, Wei-shih	95
Suvorov, B. V.	128
Swensson, Hans	118
Sybilska, Danuta	144
Syrkin, A. B.	213
Syrkin, Ya. K.	123
Syyko, A. A.	184
Szeliga, Jerzy	44
Szijjarto, Gy.	36
Szilas, E.	36

- T -

Tadzher, Vitali E.	56
Tai, Meng	79
Takashima, Yoshimasa	144
Talenskiy, N.	18
Tamarashvili, L. R.	271
Tanner, Hans	34
Tan, Chia-chen	95
T'ang, Jen-fang	116
Tank, Chung-i	65
Tank, L. I.	213
Tanninen, Aarne	16
T'ao, Te-lin	81
Tarantovich, A. S.	193
Tarassenko, F. P.	150
Tardy, P.	132
Tarjan, Rezso	277
Tartakovskiy, M. B.	210
Taryanskiy, B. F.	12
Tatarnikov, A. A.	251
Tatarskiy, V. I.	179
Telengator, Ya. M.	218
Tenyakov, Ye. I.	166
Teodoru, C.	47
Teorell, T.	141
Terebenina, L. B.	250
Terekhov, V. M.	163
Terekhova, V. F.	251
Teslya, T. A.	216
Tetel'baum, I. M.	166
Thiele, H.	138
T'ien, Tung-wei	66
Tikhomirov, G. M.	147
Tikhomirov, V. N.	217
Tikhonchuk, Yu. N.	1
Timm, A. A.	161
Timofeyev, V. T.	186
Timofeyevskiy, A. D.	214
Tittel, M.	137
Tiutiunnik, M. E.	115
Tkachenko, Ye. A.	10
Tobak, M. S.	12
Tober, H.	135
Todes, O. M.	253, 254
Tolmachev, P.	88
Tolochkov, M.	18
Tomashov, N. D.	130, 228

Tongur, V. S.	112, 232
Topor, V. V.	47
Torgonenko, Ye.	11
Totev, Totyu	30
Trakhtenbrot, B. A.	194
Tran, Huy Lieu	89
Tran, Viet	76
Trautmann, K. H.	35
Travin, G. Ya.	215
Tregubenko, V.	22
Treshnikov, A. F.	186
Trifonov, P.	19
Troits'ka, V. A.	265
Troitskiy, V. P.	167
Troitskiy, Yu. V.	255
Trombe, F.	132
Troshin, A. S.	211
Trubnikov, B. A.	244
Trubnikov, N. V.	146
Trusova, K. I.	245
Tryesvyatskiy, S. G.	125
Tsarenko, I.	19
Tseitlin, M. B.	151
Tsekhanskiy, M. I.	232
Tseng, Chao-lun	82
Tseng, Shih-ying	94
Tsepolov, B. F.	245
Tseytlin, I. G.	206
Tseytlin, P. I.	238
Tsimmer, K. G.	242
Tsirlin, V. M.	270
Tsirulina, Z. V.	151
Ts'ui, Ching'ju	93
Ts'ui, Kuang-hao	72
Tsukerman, B. M.	200
Trusov, V. M.	167
Tselikov, A. I.	165
Tsvang, L. R.	181
Tsvelykh, F. I.	27
Tsvirko, Yu. A.	263
Tu, Hsi-t'ang	80
Tuchkevich, N. M.	161
Tung, Fang-ming	85
Tung, Shou-i	222
Turbin, M. V.	221
Turbin, N. V.	115
Tverskoy, G. B.	111
Tyurikov, G. S.	130

- U -

Uglov, F. G.	29
Ullsperger, L.	173
Umrikhina, A. V.	245
Ungar, D.	211
Urazbayev, M. T.	28
Urbaniec, Marian	45
Urrutia, Cesar Godoy	102
Urusovskiy, I. A.	246
Usmanov, A. G.	124
Uspenskaya, T. A.	215
Uspenskiy, V. A.	275
Uvarov, B. S.	216
Uvarov, O. V.	122, 238

- V -

Vacek, Egon	60
Val'kov, B. G.	196
Van Raay, H. G.	136
Varenko, S.	12
Varshavskiy, L. A.	267
Vasadze, G. Sh.	206
Vashkov, V. I.	211
Vasilenko, Yu. I.	219
Vasilev, V. P.	119
Vasilevskiy, A. N.	13
Vasil'kov, G.	217
Vasilyev, A. A.	160
Vasil'yev, V. P.	128
Vayner, K. G.	205
Waynson, A. A.	2
Vdovenko, V. M.	126
Veh, P. O.	172
Veksler, A. Z.	252
Velea, I.	46
Velichkovskiy, A. A.	12
Velkoborsky, Kliment	56
Verbev, P. E.	221
Vereshchagin, L. F.	167
Vereshchetin, V.	88
Verezentsev, V. A.	162
Vernov, S. N.	265
Versaumer, H.	136
Vielmetter, W.	239
Vieru, M.	38
Viktorina, V. P.	209
Vil'shanskiy, E. N.	216

Vincent, D. H.	241
Vinnikov, P. L.	203
Vinogradov, K.	15
Vinogradov, V. M.	216
Vinokurov, F. P.	255
Vladzimir's'ka, O. V.	226
Vleduts, G. E.	120
Voigt, D.	140
Vojvodic, V.	117
Vokhov, M.	15
Vol'fenzon, L. G.	211
Volkov, A. G.	274
Volmer, C. M.	261
Volosyuk, S. V.	208
Volotskaya, Z. M.	268, 276
von Erichsen, L.	239
Von Kemphen, Walter	53
von Senger, F. M.	173
von Wartenberg, H.	135
Voronezhskiy, V. I.	13
Voronyuk, A. S.	147
Voroshilov, K.	17
Voskresenskaya, N. K.	127
Voyevodskiy, V. V.	127
Vu, Quoc Tuan	76
Vul'f, B. K.	128
Vvedenskaya, N. D.	246
Vvedenskiy, B.	25
Vyskoe, Josef	32

- W -

Waclawowicz, Stanislaw	43
Wagner, C.	134, 153, 261
Wagner, Hellmut	36
Wan, Chia-mou	69
Wan, Hsueh-kuei	69
Wang, Chu-ch'i	255
Wang, Hsi-chih	65
Wang, Keng-chin	64
Wang, Kuang-i	224
Wang, Li-hua	224
Wang, Lin	65, 66
Wang, Shou-wu	255
Wang, Shu-chen	222
Wang, Ssu-hua	64
Wang, Tzu-ying	66

Wang, Yung-k'uan	222
Wannagat, U.	140
Want, Jen-ch'in	92
Ward, Nicolas	62
Wartmann, R.	171, 235
Watanabe, Yoshiyuki	192
Weber, K. H.	174
Weber, R.	259, 260
Wehner, G.	261
Wei, Wen-hua	71
Wei, Wen-tse	92
Weibke, F.	140
Wen, Shih-jui	81
Wen, Shuai-jun	81
Wendt, P.	37
Westphal, K.	261
Wiberg, E.	134
Wickert, K.	172
Wiegand, H.	258
Wien, G.	239
Wiener, Aharon	59
Wilski, H.	135
Winkelmann, G.	141
Wislicki, A.	44
Witkowski, Zygmunt	39
Witkowski, Grete	34
Wojciechowski, Bronislaw	40
Wu, Chih-pu	81
Wu, Hsien	67
Wu, Hsi-yi	116
Wu, Hsing-han	73
Wu, Hsueh-chou	131
Wu, K'ai-yu	116
Wu, Lo-shan	92
Wu, Shao-wen	84
Wu, Shu-lan	92
Wu, Yen-chiu	222
Wu, Yu-hsun	255
Wunderlich, A.	37
Wynnyczuk, Vl.	33

- Y -

Yablonskiy, S. V.	163, 193,
	194
Yakhnich, I. M.	216
Yakhontov, V. V.	115
Yakovenko, G. Z.	123
Yakovlev, G. N.	186
Yakovlev, M.	12

Yakushkin, D.	15
Yamolova, N. S.	196
Yang, Chih-lin	85
Yang, Hui-an	95
Yang, Ying-chieh	64
Yankina, A. A.	148
Yankovskiy, S.	20
Yanlina, A. A.	149
Yanov, Y. I.	193
Yao, Yuan	79
Yatsentyuk, M. N.	205
Yatsimirskiy, K. B.	119
Yavlinskiy, N. A.	158
Yaylo, A.	20
Yefimov, L.	221
Yefimov, M. B.	276
Yefremov, A.	20
Yefuni, S. N.	204
Yeger, G.	242
Yegorov, V.	22
Yegorov, Yu.	10
Yeh, Ku-lin	85
Yeh, Yu-lin	116
Yeliseyev, V. G.	198
Yelsukov, M. P.	16
Yemel'yanov, V. S.	230, 231
Yemyashev, A. V.	160
Yen, Chi-tz'u	277
Yen, Chung-min	72
Yen, Fu-ch'ing	222
Yen, Te'i	73
Yeremenko, Valentin	
Nikiforovich	236
Yermakova, F. B.	198
Yermolayev, P. D.	162
Yevstigneyev, M. I.	167
Yevstyukhin, A. I.	230, 231
Yeyek, N. O.	256
Yeyubov, R. E.	110
Yovchev, Yovcho Sm.	30
Yovchuk, M. T.	275
Yu, Chang-ch'in	82
Yu, Chia-chun	222
Yu, En-shu	116
Yu, Hsi-hsuan	224
Yu, Hui-ing	82
Yu, Lan	95
Yu, Mei	71
Yuan, Chin-chang	67
Yuan, Tun-li	222

Yuan, Wen	84
Yuang, Y. P.	235
Yufa, Ye. Ya.	206
Yugay, G. A.	273
Yung, Yen-t'ao	82
Yurgenson, P. B.	115
Yuriy, Vladimirovich	
Maydich	236
Yurova, N. F.	114
Yushmanov, O. L.	180

- Z -

Zabolotnaya, N. P.	228
Zaborenko, K. B.	125
Zabozlayeva, E. A.	205
Zaitsev, V. A.	189
Zakharov, K. D.	162
Zakharov, M.	19
Zakrevskiy, A. D.	149
Zakutinskiy, D. I.	197
Zalesskiy, L. P.	217
Zandborg, L. F.	207
Zamota, V. P.	109
Zanadvorov, P. N.	149
Zaremba, Jozef	41
Zaretskaya, Yu. M.	214
Zasyad'ko, A. F.	3
Zayezdnyy, A. M.	4
Zaytsev, L. M.	131
Zaytseva, K. K.	215
Zaytseva, L. L.	131
Zdornova, E. A.	149
Zedgenidze, G. A.	214
Zel'dovich, Ya. B.	120, 121, 129, 253, 254
Zelepukha, S. I.	118
Zemskiy, P. M.	2
Zhadanov, N.	10
Zharov, Ye. I.	210
Zhavoronkov, N. M.	238
Zhdanov, G. S.	129
Zheleznov, N. A.	267
Zhilkin, N. K.	165
Zhomov, P. I.	231
Zhonen, R.	128
Zhukov, V.	88

Zhukovskiy, P. M.	112
Zhukov-Verezhnikov, N. N.	112
Zhultovskiy, Z.	109
Zhuravin, A.	21
Zhuravlenko, V. M.	161
Zhuravlev, Yu. I.	96
Zhuze, T. P.	128
Zidak, M.	233
Ziegler, B.	261
Zil'berberg, V. I.	8
Zimen, K. E.	134
Zimens, K. E.	134
Zimin, V. A.	146, 157
Zinder, L. R.	268, 275
Zlatin, R. S.	226
Zodiyev, V. V.	216
Zolotarev, Ye. Kh.	203
Zubarev, D. N.	194
Zubkin, A. S.	18
Zubko, A. M.	160
Zurabashvili, A. D.	221
Zurabyan, K. M.	7
Zuyev, M. V.	190
Zvonkova, Z. V.	129, 130
Zvonov, A. A.	276
Zvoranu, D.	50
Zvyagin, A. S.	162
Zygala, Ryszard	41
Zysin, Yu. A.	253
Zyuzin, V. I.	208

# COVER-TO-COVER TRANSLATIONS

(Received during August)

<u>Akusticheskiy Zhurnal</u> , Vol VI, No 1, 1960.	AIP Sov Phys-Acoustics Vol VI, No 1
<u>Atomnaya Energiya</u> , Vol VI, No 1, 1960.	CB
<u>Biofizika</u> , Vol V, No 1, 1960.	PP
<u>Byulleten' Eksperimental'noy Biologii i Meditsiny</u> , Vol XLIX, No 1, 1960.	CB
<u>Doklady Akademii Nauk SSSR, Physical Chemistry Sections</u> , Vol CXXVI-CXXVIII, No 1-6, 1959.	CB
<u>Doklady Akademii Nauk SSSR, Chemistry Section</u> , Vol CXXVII, No 1-6, 1959.	CB
<u>Doklady Akademii Nauk SSSR, Chemical Technology Section</u> , Vol CXXVI-CXXVII, No 1-6, 1959.	CB
<u>Doklady Akademii Nauk SSSR, Physics Section</u> , Vol CXXX, No 1-6, 1960.	AIP Sov Phys-Doklady Vol V, No 1
<u>Farmakologiya i Toksikologiya</u> , Vol XXII, No 4-6, 1959.	CB
<u>Fizika Metallov i Metallovedenie</u> , Vol VII, No 1, 2, 1959.	PP
<u>Fiziologicheskoy Zhurnal SSSR imeni I. M. Sechenova</u> , Vol XLVI, No 1, 1960.	PP
<u>Izmeritel'naya Tekhnika</u> , No 8-10, 1959.	Instru Soc of Amer
<u>Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya</u> , Vol XXIII, No 6, 1959.	Columbia Tech
<u>Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya</u> , No 7-12, 1959.	AGU
<u>Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya</u> , No 2-11, 1958.	Amer Geol Inst



<u>Kauchuk i Rezina</u> , Vol XIX, No 2, Jul 1960.	RABRM
<u>Meditinskaya Radiologiya</u> , Vol IV, No 5, 1959.	JPRS 2860
<u>Meditinskaya Radiologiya</u> , Vol IV, No 12, 1959.	JPRS 2743
<u>Meditinskaya Radiologiya</u> , Vol V, No 1, 1960.	JPRS 5030
<u>Meditinskaya Radiologiya</u> , Vol V, No 2, 1960.	JPRS 5078
<u>Meditinskaya Radiologiya</u> , Vol V, No 4, 1960.	JPRS 5016
<u>Meditinskaya Radiologiya</u> , Vol V, No 5, 1960.	JPRS 5403
<u>Problemy Gematologii i Perelivaniya Krovi</u> , Vol V, No 1, 1960.	PP
<u>Steklo i Keramika</u> , Vol XIV, No 9-12, 1957.	CB
<u>Svarochnoy Proizvodstvo</u> , No 11, 1959.	BWRA
<u>Trudy Institute Vysshey Nervnoy Deyatel'nosti</u> , Vol III, 1957.	OTS 60-21086 (PL 480)
<u>Tsvetnyye Metally</u> , Vol I, No 3, 1960.	PS
<u>Vestnik Vozdushnogo Flota</u> , No 1, 1960.	ATIC
<u>Voprosy Onkologii</u> , Vol V, No 7-11, 1959.	PP
<u>Voyenno Meditsinskiy Zhurnal</u> , No 2, 1960.	JPRS 2925
<u>Zavodskaya Laboratoriya</u> , Vol XXV, No 10, 1959.	Instru Soc of Amer
<u>Zhurnal Analiticheskoy Khimii</u> , Vol XIV, No 4, 5, 1959.	CB
<u>Zhurnal Mikrobiologii Epidemiologii i Immunobiologii</u> , Vol XXX, No 8, 9, 1959.	PP

Zhurnal Neorganicheskoy Khimii, No 1, 1960.

Cleaver-Hume Press

Zhurnal Obshchei Khimii, Vol XXIX, No 7, 8,  
1959.

CB

Zhurnal Prikladnoy Khimii, Vol XXXII, No 9,  
1959.

CB

Zhurnal Tekhnicheskoy Fizika, Vol XXX, No 1,  
1960.

AIP  
Sov Phys-Tech Phys  
Vol V, No 1

\* \* \*

UNCLASSIFIED  
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen  
Deputy Director for Operations  
Defense Technical Information Center  
7725 John J. Kingman Road  
Suite 0944  
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, reading "Sergio N. Alcivar".

Sergio N. Alcivar  
Chief, CIA Declassification Center,  
Declassification Review and Referral  
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

UNCLASSIFIED



## Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed  
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0866011	78-03109A	63	1	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD0866891	78-03109A	64	1	1	146	Consolidated Translation Survey Through 28 February 1970	2/28/1970	237	Approved For Release	3/25/2004
AD0868214	78-03109A	64	1	2	147	Consolidated Translation Survey Through 31 March 1970	3/31/1970	222	Approved For Release	3/25/2004
AD0869588	78-03109A	64	1	3	148	Consolidated Translation Survey Through 30 April 1970	4/30/1970	225	Approved For Release	3/25/2004
AD0871388	78-03109A	64	1	4	149	Consolidated Translation Survey Through 31 May 1970	5/31/1970	286	Approved For Release	3/25/2004
AD0872361	78-03109A	64	1	5	150	Consolidated Translation Survey Through 30 June 1970	6/30/1970	339	Approved For Release	3/25/2004
AD0873815	78-03109A	64	1	6	151	Consolidated Translation Survey Through 31 July 1970	7/31/1970	274	Approved For Release	3/25/2004
AD0834385	78-03109A	47	1	4	17	Consolidated Translation Survey For May 1959	6/17/1959	193	Approved For Release	3/25/2004
AD0834386	78-03109A	47	1	5	18	Consolidated Translation Survey For June 1959	7/17/1959	177	Approved For Release	3/25/2004
AD0834387	78-03109A	47	1	6	19	Consolidated Translation Survey For July 1959	8/24/1959	254	Approved For Release	3/25/2004
AD0834388	78-03109A	47	1	7	20	Consolidated Translation Survey For August 1959	9/18/1959	209	Approved For Release	3/25/2004
AD0834389	78-03109A	47	1	8	21	Consolidated Translation Survey For September 1959	10/20/1959	261	Approved For Release	3/25/2004
AD0834491	78-03109A	47	1	9	22	Consolidated Translation Survey For October 1959	11/16/1959	181	Approved For Release	3/25/2004
AD0834492	78-03109A	47	1	10	23	Consolidated Translation Survey For November 1959	12/22/1959	214	Approved For Release	3/25/2004
AD0834493	78-03109A	47	1	11	24	Consolidated Translation Survey For December 1959	1/20/1960	202	Approved For Release	3/25/2004
AD0834494	78-03109A	47	1	12	25	Consolidated Translation Survey For January 1960	2/25/1960	198	Approved For Release	3/25/2004
AD0834495	78-03109A	47	1	13	26	Consolidated Translation Survey For February 1960	2/1/1960	248	Approved For Release	3/25/2004
AD0834496	78-03109A	48	1	1	27	Consolidated Translation Survey For March 1960	3/1/1960	223	Approved For Release	3/25/2004
AD0834497	78-03109A	48	1	2	28	Consolidated Translation Survey For April 1960	4/1/1960	287	Approved For Release	3/25/2004
AD0834498	78-03109A	48	1	3	29	Consolidated Translation Survey For May 1960	5/1/1960	312	Approved For Release	3/25/2004
AD0834499	78-03109A	48	1	4	30	Consolidated Translation Survey For June 1960	6/1/1960	277	Approved For Release	3/25/2004
AD0834500	78-03109A	48	1	5	31	Consolidated Translation Survey For July 1960	7/1/1960	186	Approved For Release	3/25/2004
AD0834501	78-03109A	48	1	6	32	Consolidated Translation Survey For August 1960	8/1/1960	317	Approved For Release	3/25/2004
AD0834502	78-03109A	48	1	7	33	Consolidated Translation Survey For September 1960	9/1/1960	287	Approved For Release	3/25/2004
AD0834503	78-03109A	48	1	8	34	Consolidated Translation Survey For October 1960	10/1/1960	322	Approved For Release	3/25/2004
AD0834504	78-03109A	48	1	9	35	Consolidated Translation Survey For November 1960	11/1/1960	289	Approved For Release	3/25/2004